
Memphis

and

Shelby County

2012 Building Code

Local Amendments

ADOPTED BY:

SHELBY COUNTY COMMISSION - Ordinance # 423 (10/8/12)

MEMPHIS CITY COUNCIL – Ordinance # 5487 (12/18/12)

Replace all of Chapter 1 with the following:

Chapter 1 – Administrative Provisions - General

101.1 Title. - These regulations, together with Chapters 1-13 and 27-33 and Chapter 35 of the 2009 Edition of the International Code Council Building Code and Chapters 14-26 and Chapter 34 of the 2012 Edition of the International Code Council Building Code, shall be known as the 2012 Memphis and Shelby County Building Code, part of the 2012 Joint Technical Code for Memphis and Shelby County, Tennessee, hereinafter referred to as "this code."

101.2 Scope. - The provisions of this code shall apply to and regulate the construction, alteration, movement, enlargement, replacement, repair, equipment, use and occupancy, location, maintenance, removal and demolition of every building and structure or any appurtenances connected or attached to such building or structure.

Exceptions:

1. One and two family dwellings shall meet the requirements of the 2012 Edition of the *ICC Residential Building Code* as locally amended.
2. Existing Buildings undergoing repair, alterations or additions and changes of occupancy shall be permitted to comply with the 2012 Edition of the *International Existing Building Code*, as locally amended.

101.2.1 Appendices. -Provisions in the appendices shall not apply unless specifically adopted, and the provision in the following appendices shall apply.

Appendix C – Group U Agriculture Building

Appendix D – Fire District

Appendix F – Rodent Proofing

Appendix H – Signs

Appendix I – Building Permit, Plans and Inspection Fees

101.3 Intent. - The purpose of this code is to establish and provide minimum standards and requirements to safeguard the public health, life or limb, property and public welfare through structural strength, means of egress facilities, stability, sanitation, adequate light and ventilation, energy conservation, and safety to life and property from fire and other hazards attributed to the built environment and to provide safety to fire fighters and emergency responders during emergency operations.

101.3.1 Quality Control. - Quality Control of materials and workmanship is not within the purview of the Technical Codes except as it relates to the purpose stated herein.

101.4 Referenced Codes. – The other codes listed in Section 101.4.1 through 101.4.7, (but

noting that Section 101.4.5 is reserved) and referenced elsewhere in this code shall be considered part of the requirements of this code to the prescribed extent of each such reference. Where such referenced codes have been amended locally, such local amendments shall be considered a part of such referenced material.

101.4.1 Electrical. – The provisions of the 2008 Edition of the National Electric Code, and local amendments thereto, shall apply to the installation of electrical systems, including alterations, repairs, replacement, equipment, appliances, fixtures, fittings and appurtenances thereto

101.4.2 Gas. – The provisions of the *International Fuel Gas Code* shall apply to the installation of gas piping from the point of delivery, gas appliances and related accessories as covered in this code. These requirements apply to gas piping systems extending from the point of delivery to the inlet connection of the appliances and the installation and operation of residential and commercial gas appliances and related accessories.

101.4.3 Mechanical. – The provisions of the *International Mechanical Code* shall apply to the installation, alteration, repairs and replacement of mechanical systems, including equipment appliances, fixtures, and/or appurtenances including ventilating, heating, cooling, air conditioning and refrigeration systems, incinerators and other energy-related systems.

101.4.4 Plumbing. – The provision of the *International Plumbing Code* shall apply to the installation, alteration, repair, and replacement of plumbing systems, including equipment, appliances, fixtures, fittings and appurtenances, and where connected to water or sewage system and all aspects of a medical gas system.

101.4.5 Reserved

101.4.6 Fire Prevention. – The provisions of the *International Fire Code* shall apply to matters affecting or related to structures, processes and premises from the hazard of fire and explosion arising from the storage, handling or use of structures, materials or devices; from the conditions hazardous to life, property or public welfare in the occupancy of structures or premises; and from the construction, extension, repair, alteration or removal of fire suppression and alarm systems or fire hazards in the structure or on the premises from occupancy or operation

101.4.7 Energy. – The provisions of the *International Energy Conservation Code*, shall apply to all matters governing the design and construction of buildings for energy efficiency.

101.5 Federal And State Authority. – The provisions of the Technical Codes shall not be held to deprive any Federal or State agency, or

any applicable governing authority having jurisdiction, of any power or authority which it had on the effective date of adoption of the Technical Codes or of any remedy then existing for the enforcement of its orders, nor shall it deprive any individual or corporation of its legal rights as provided by law.

Section 102 - APPLICABILITY

102.1 General. - Where, in a specific case, different sections of this code specify different materials, methods of construction or other requirements, the most restrictive shall govern. Where there is a conflict between general requirements and a specific requirement, the specific requirement shall be applicable.

102.2 Other Laws. - The provisions of this code shall not be deemed to nullify any provisions of local, state, or federal law.

102.3 Application Of References. - References to chapter or section numbers, or to provisions not specifically identified by number, shall be construed to refer to such chapter, section or provision of this code.

102.4 Referenced Codes And Standards. - The codes and standards referenced in this code shall be those listed in Chapter 35 and such codes and standards are considered part of the requirements of this code to the prescribed extent of each such reference. Where differences occur between code provisions of this code and referenced codes and standards, the provisions of this code shall apply.

102.5 Severability. - If any section, subsection, sentence, clause or phrase of this code is, for any reason, held to be unconstitutional, illegal or void, such decision shall not affect the validity of the remaining portions of this code.

102.6 Existing Structures. - The legal occupancy of any structure existing on the date of adoption of this code shall be permitted to continue without change, except as in specifically covered in this code or as is deemed necessary by the Building Official for the general safety and welfare of the occupants and the public.

102.7 Requirements Not Covered By This Code. - Any requirements necessary for the strength, stability, or proper operation of an existing or proposed structure or facility, or for public safety, health and general welfare, not specifically covered by this code, shall be determined by the Building Official.

102.8 Additions, Alterations Or Repairs. - Additions, alterations, renovations or repairs to any plumbing system shall conform to that

required for a new plumbing system without requiring the existing plumbing system to comply with all of the requirements of this code. Additions, alterations or repairs shall not cause an existing system to become unsafe, unsanitary or overloaded.

Minor additions, alterations, renovations and repairs to existing plumbing systems shall be permitted in the same manner and arrangement as was in the existing system, provided such repairs or replacements are not hazardous and are approved

[EB] 102.9 Change In Occupancy. - It shall be unlawful to make a change in the occupancy of any structure which will subject the structure to any special provision of this code without approval of the Building Official. The Building Official shall certify that such structure meets the intent of the provisions of law governing building construction for the proposed new occupancy and that such change of occupancy does not result in any hazard to the public health, safety or welfare.

[EB] 102.11 Historic Buildings. - The provisions of this code relating to the construction, alteration, repair, enlargement, restoration, relocation or moving of buildings or structures and changes in occupancy shall not be mandatory for existing buildings or structures identified and classified by the state or local jurisdiction as historic buildings where such buildings or structures are judged by the Building Official to be safe and not constitute a distinct life safety hazard..

SECTION 103 - Memphis And Shelby County Office Of Construction Code Enforcement (MSCCE)

103 Creation Of Enforcement Agency. - Joint Resolution/ Ordinance #3333 was adopted and approved by the City of Memphis and the Shelby County legislative bodies, to create the Memphis and Shelby County Office of Construction Code Enforcement (MSCCE). This is a joint agency charged with enforcement of the Memphis and Shelby County Building Code,(including the Existing Building Code, Residential and Energy Conservation Code referenced therein), the Memphis and Shelby County Mechanical Code, the Memphis and Shelby County Fuel Gas Code, the Memphis and Shelby County Plumbing Code and this Code, which together are to be known as Memphis and Shelby County 2012 Technical Codes.

103.1 General. - The Building Official is hereby authorized and directed to enforce the provisions of the Technical Codes. The Building Official is further authorized and directed to render interpretations of the Technical Codes which are consistent with its spirit and purpose

103.2 Employee Qualifications.

103.2.1 Building Official Qualifications And Appointment. – As established by Ordinance #3333

103.2.2 Chief Inspector Qualification. – The Building Official, with the approval of the Administrator, may designate chief inspectors to administer the provisions of the Memphis and Shelby County 2012 Technical Codes. The qualifications of the Chief Inspectors shall be as established by Ordinance #3333.

103.2.3 Inspector Qualifications. – The Building Official, with the approval of the Administrator, may hire such numbers of officers, inspectors, assistants, and other employees as shall be authorized from time to time. For employee minimum qualifications, see the Shelby County Administration Job Class Master.

103.2.4 Deputy Building Official Qualifications. – In accordance with the prescribed procedures of this jurisdiction, and with the concurrence of the appointing authority the Building Official may designate as his deputy an employee in the department who shall, during the absence or disability of the building Official, exercise all the powers of the Building Official. The Deputy Building Official should have the same qualifications listed in 103.2.2.

103.3 Restriction On Employees. – An officer or employee connected with the department, except one whose only connection is as a member of one or more of the Boards established by the Technical Codes, shall not be financially interested in the furnishing of labor, material or appliances for the construction, alteration, or maintenance of a building, structure, service, system or in the making of plans or of specifications thereof, unless he is the owner of such. This officer or employee shall not engage in any other work, which is inconsistent with the duties or conflicts, or may appear to conflict, with the interest of the department.

SECTION 104 - Duties And Powers Of The Building Official

104.1 General. – The Building Official is hereby authorized and directed to enforce the provisions of this code. The Building Official shall have the

authority to render interpretations of this code and to adopted policies and procedures in order to clarify the application of its provisions. Such interpretations, policies and procedures shall be in compliance with the intent and purpose of this code. Such policies and procedures shall not have the effect of waiving requirements specifically provided for in this code.

104.2 Applications And Permits. - The Building Official shall receive applications, review construction documents and issue permits for the erection, and alteration, demolition, and moving of buildings and structures, inspect the premises for which such permits have been issued and enforce compliance with the provisions of this code.

104.3 Notices And Orders. – The Building Official shall issue all necessary notices or orders to ensure compliance with this code.

104.4 Inspections. – The Building Official shall make all the required inspections, or the Building Official shall have the authority to accept reports of inspection by approved agencies or individuals. Reports of such inspections shall be in writing and be certified by a responsible officer of such approved agency or by the responsible individual. The Building Official is authorized to engage such expert opinion as deemed necessary to report upon unusual technical issues that arise, subject to the approval of the appointing authority.

104.5 Identification. – The Building Official shall carry proper identification when inspecting structures or premises in the performance of duties under this code.

104.6 Right Of Entry. – Where necessary to make an inspection to enforce the provisions of this code, or where the Building Official has reasonable cause to believe that there exists in a structure or upon a premises a condition exists which is contrary to or in violation of this code which makes the structure or premises unsafe, dangerous or hazardous, the Building Official is authorized to enter the structure or premises at reasonable time to inspect or to perform the duties imposed by this code, provided that if such structure or premises is unoccupied, the Building Official shall first make a reasonable effort to locate the owner or other person having charge or control of the structure or premises and request entry. If entry is refused, the Building Official shall have recourse to the remedies provided by law to secure entry.

104.6.1 Inspection With Warrant. – When the Building Official shall have first obtained a proper inspection warrant or other remedy

provided for by law to secure entry, no owner or occupant or any other person having charge, care or control of any building, structure, or premises shall fail or neglect, after proper request is made as herein provided, to promptly permit entry therein by the Building Official for the purpose of inspection and examination pursuant to the Technical Codes.

104.7 Department Records. – The Building Official shall keep official records of applications received, permits and certificates issued, fees collected, reports of inspections, and notices and orders issued. Such records shall be retained in the official records for the period required for the retention of public records.

104.8 Liability. – The Building Official, members of the Board of Appeals and Code Boards or employees charged with the enforcement of this code, while acting for their jurisdiction in good faith and without malice in the discharge of the duties required by this code or other pertinent law or ordinance, shall not thereby be rendered liable personally and is hereby relieved from personal liability for any damages accruing to persons or property as a result of any act or by reason of any act or omission in the discharge of official duties. Any suit instituted against an officer or employee in the lawful discharge of duties and under the provisions of this code shall be defended by the legal representative of the jurisdiction until the final termination of the proceedings. The Building Official or any subordinate shall not be liable for costs in any action, suit or proceeding that is instituted in pursuance of the provisions of this code.

104.9 Approved Material And Equipment. – Materials, equipment and devices approved by the Building Official shall be constructed and installed on accordance with such approval.

104.9.1 Used Material And Equipment. – The use of used material which meets the requirements of this code for new material is permitted. Used equipment and devices shall not be reused unless approved by the Building Official.

104.10 Modifications. – Whenever there are practical difficulties involved in carrying out the provisions of this code, the Building Official shall have the authority to grant modifications for individual cases, upon application of the owner or owner's representative, provided the Building Official shall first find that special individual reason makes the strict letter of this code impractical and the modification is in compliance with the intent and purpose of this

code and that such modification does not lessen health, accessibility, life and fire safety or structural requirements. The details of action granting modifications shall be recorded and entered in the files of the Office of Construction Code Enforcement.

104.11 Alternative Materials, Design And Methods Of Construction And Equipment. –

The provisions of this code are not intended to prevent the installation of any material or to prohibit any design or method of construction not specifically prescribed by this code, provided that any such alternative has been approved. An alternative material, design or method of construction shall be approved where the Building Official finds that the proposed design is satisfactory and complies with the intent of the provisions of this code, and that the material, method or work offered is, for the purpose intended, at least the equivalent of that prescribed in this code in quality, strength, effectiveness, fire resistance, durability and safety.

104.11.1 Research Reports. – Supporting data, where necessary to assist in the approval of materials or assemblies not specifically provided for in this code, shall consist of valid research reports from approved sources.

104.11.2 Tests. – Wherever there is insufficient evidence of compliance with the provisions of this code, or evidence that a material or method does not conform to the requirements of this code, or in order to substantiate claims for the alternative materials or methods, the Building Official shall have the authority to require tests as evidence of compliance to be made at no expense to the jurisdiction. Test methods shall be as specified in this code or by other recognized test standards. In the absence of recognized and accepted test methods, the Building Official shall approve the testing procedures. Tests shall be performed by an approved agency. Reports of such tests shall be retained by the Building Official for the period required for retention of public records.

104.12 Re-Inspection. – Where any work or installation does not pass an initial test or inspection, the necessary corrections shall be made so as to achieve compliance with this code. The work or installation shall then be resubmitted to the Building Official for inspection and testing.

Section 105 - Permits

105.1 Required. - Any owner or authorized agent who intends to construct, enlarge, alter, repair, move, demolish, or change the occupancy of a building or structure, or to erect, install, enlarge, alter, repair, remove, convert or replace any electrical, gas, mechanical or plumbing system, the installation of which is regulated by this code, or to cause any such work to be done shall first make application to the Building Official and obtain the required permit.

105.1.1 Permit Required For Appurtenances To Buildings And Other Structures And Apparatus.

– A permit shall be required to erect, install, alter, or repair any of the following list of building appurtenances, new structures, and apparatus, and shall include, but not be limited to, the following:

1. Conveyor systems (Permit and Inspection Fees are as set forth in section B-9 of the fee ordinance as set forth in Appendix I);
2. Racking systems/Shelving (Permit and Inspection Fees are as set forth in section B-9 of the fee ordinance as set forth in Appendix I;
3. Process Piping System (Permit and Inspection Fees for Process Piping System will be as set forth in the fee ordinance as set forth in Appendix I)

105.1.2 Permits For Specific Structures. – A permit, and the payment of the appropriate fees, shall be required to erect, install, alter, or repair any of the following list of building appurtenances, new structures and apparatus, and shall include, but not be limited to, the following:

Mechanical Code /Electric Code /Plumbing Code –

1. Air Conditioning, heating, mechanical ventilating, blower, or exhaust systems
2. Cooling towers
3. Fire Protection, sprinkler systems
4. Mechanical refrigeration systems

Building Code/Electric Code/Plumbing Code

1. Special events permit (See policy and procedures for requirements.)
2. Temporary construction trailers
3. Elevators

Building Code/Electric Code/ Mechanical Code

1. Generators; except outdoor self contained units (no MC)
2. Incinerator
3. Spray Booth

Building Code/Electric Code

1. Fire Alarms

Mechanical Code/Electric Code

1. Fire suppression systems, including commercial kitchen hoods

Fuel Gas Code/Electric Code

1. Liquefied petroleum gas systems

Mechanical Code

1. Medical gas systems

Plumbing Code

1. Potable water systems
2. Sewer private (Private Drive); (See policy and procedures for requirements.)

Permit and inspection fees for the above list shall be as set forth in the approved Local Fee ordinance as appropriate.

105.2 Work Exempt From Permit. –

Exemptions from permit requirements of this code shall not be deemed to grant authorization for any work to be done in any manner in violation of the provisions of this code or any other laws or ordinances of this jurisdiction.

Permits shall not be required for the following:

1. Playhouse and similar uses, provided the floor area does not exceed 120 square feet (11.15 M²). Treehouses are also exempt.
2. Reserved
3. Oil derricks
4. Retaining walls which are not over 4 feet (1219mm) in height, measured from the bottom of the footing to the top of the wall, unless supporting a surcharge or impounding Class 1, II or III-A liquids.
5. Water tanks supported directly on grade if the capacity does not exceed 5,000 gallons (18,925 L) and the ratio of height to diameter or width does not exceed 2 to 1.
6. Private one and two family residential sidewalks and driveways not more than 30 inches (762mm) above grade and not over any basement of story below and which are not part of an accessible route.
7. Painting, papering, tiling, carpeting, cabinets, counter tops and similar finish work.
8. Temporary motion picture, television, and theater stage sets and scenery
9. Prefabricated swimming pools accessory to a Group R-3 occupancy, as applicable in Section 101.2, which are less than 24 inches (610mm) deep, do not exceed 5,000 gallons (18,925 L) and are installed entirely above ground.
10. Shade cloth structures constructed for nursery or agricultural purposes and not including service systems.
11. Swings and other playground equipment.
13. Window awnings supported by an exterior wall which do not project more than 54 inches (1372 mm) from the exterior wall and do not

require additional support of Group R-3, as applicable in Section 101.2 and Group U occupancies.

14. Movable cases, counters and partitions not over 5 feet 9 inches (1753 mm) in height.

105.2.1 Emergency Repairs. - Where equipment replacement and repairs must be performed in an emergency situation, the permit application shall be submitted within the next five working days to the Building Official.

105.2.2 Repairs. - Application or notices to the Building Official is not required for ordinary repairs to structures, replacement of lamps or the connection of approved portable electrical equipment to approved, permanently installed receptacles. Such repairs shall not include the cutting away of any wall, partition or portion thereof, the removal or cutting or any structural beam or load-bearing support, or the removal or change of any required means of egress, or rearrangement of parts of a structure affecting the egress requirements; nor shall ordinary repairs include additions to, alteration of, replacement or relocation of any standpipe, water, supply, sewer, drainage, drain leader, gas soil, waste vent or similar piping, electric wiring or mechanical or other work affecting public health or general safety.

105.3 Application For Permit. - To obtain a permit, the applicant shall first file an application therefore in writing on a form furnished by the Office of Construction Code Enforcement for that purpose. Such application shall:

1. Identify and describe the work to be covered by the permit for which application is made.
2. Describe the land on which the proposed work is to be done by legal description, street address or similar description that will readily identified and definitely locate the proposed building or work.
3. Indicate the use and occupancy for which the proposed work is intended.
4. Be accompanied by construction documents and other information as required in Section 106.3.
5. State the valuation of the proposed work.
6. Be signed by the applicant, or the applicant's authorized agent.
7. Such other data and information as required by the Building Official.

105.3.1 Action On Application. - The Building Official shall examine or cause to be examined applications for permits and amendments thereto within a reasonable time after filing. If the application or the construction documents do not conform to the requirements of the pertinent

laws, the Building Official shall reject such application in writing, stating the reasons therefore. If the Building Official is satisfied that the proposed work conforms to the requirements of this code and laws and ordinances applicable thereto, the Building Official shall issue a permit therefore as soon as practicable.

105.3.1.1 Action On Permits. - Permits shall be issued to a licensed and/or registered contractor who performs the work. If work is subcontracted both contractors shall be licensed and/or registered.

Exception: A building permit for construction of a single-family dwelling may be obtained by the property owner under provision of the state law related to such construction and limited thereby

105.3.1.2 Work Authorized. - A building, electrical, gas, mechanical or plumbing permit shall carry with it the right to construct or install the work, as shown in the drawings and set forth in the specifications filed with the application for the permit. When additional work is not shown on the drawings and covered by the specifications submitted with the application, additional permits shall be required.

105.3.2 Time Limitation Of Application. - An application for a permit for any proposed work shall be deemed to have been abandoned six (6) months after the date of filing, unless such application has been pursued in good faith or a permit has been issued; except that the Building Official is authorized to grant one or more extensions of time for additional periods not exceeding 90 days each. The extension shall be requested in writing and justifiable cause demonstrated.

105.4 Validity Of Permit. - The issuance or granting of a permit shall not be construed to be a permit for, or an approval of, any violation of any of the provisions of this code or of any other ordinance of the jurisdiction. Permits presuming to give authority to violate or cancel the provisions of this code or other ordinances of the jurisdiction shall not be valid. The issuance of a permit based on construction documents and other data shall not prevent the Building Official from requiring the correction of errors in the construction documents and other data. The Building Official is also authorized to prevent the occupation or use of a structure where in violation of this code or of any other ordinance of this jurisdiction.

105.5 Expiration. - Every permit issued shall become invalid unless the work on the site authorized by such permit commences within six months after its issuance, or if the work

authorized on the site by such permit is suspended or abandoned for a period of six (6) months after the time the work commenced. An approved inspection by the Department shall be the required evidence that such work has commenced or has not been suspended or abandoned. The Building Official is authorized to grant, in writing, one or more extensions of time, for periods not more than 90 days each. The extension shall be requested in writing and justifiable cause demonstrated.

105.6 Suspension Or Revocation. – The Building Official is authorized to suspend or revoke a permit issued under the provisions of this code wherever the permit is issued in error or on the basis of incorrect, inaccurate or incomplete information, or a violation of any ordinance or regulation or any of the provisions of this code, or if any one of the following conditions exist:

- 1 The permit is used for a location or establishment other than that for which it was issued.
2. The permit is used for a condition or activity other than that listed in the permit.
3. Conditions and limitations set forth in the permit have been violated.
4. There have been any false statements or misrepresentations as to the material fact in the application for permit or plans submitted or a condition of the permit.
5. The permit is used for a different person or firm than the name for which it was issued.
6. The permittee failed, refused, or neglected to comply with orders or notices duly served in accordance with the provisions of this code within the time provided therein.
7. The permit was issued in error or in violation of an ordinance, regulation or this code.

105.6.1 Unsafe Building Or Systems. – All buildings, structures, electrical, gas, mechanical or plumbing systems which are unsafe, unsanitary, or do not provide adequate egress, or which constitute a fire hazard, or are otherwise dangerous to human life, or which in relation to existing use, constitute a hazard to safety or health, are considered unsafe buildings or service system. All such unsafe buildings, structures or service systems are hereby declared illegal and shall be abated by repair and rehabilitation or by demolition.

105.7 Reserved

105.8 Special Foundation Permits. - When application for permit to erect or enlarge a building has been filed, and pending issuance of such permit, the Building Official may, at his

discretion, issue a special permit for the foundation only. The holder of such a special permit is proceeding at his own risk and without assurance that permit for the remainder of the work will be granted or that corrections will not be required in order to meet provisions of the technical code.

105.9 Contractor Responsibilities.

105.9.1 Bonding

105.9.1.1 Financial Assurance. – In order to enhance enforcement of technical code provisions, every person doing business in Memphis and Shelby County as a registered and/or licensed building/structure mover, or demolition contractor shall file with the Building Official at its initial licensing, registration or first renewal of same after the effective date of this section, a permit bond, on a form acceptable to the Building Official in the penal sum of \$25,000, and issued by an incorporated insurance company authorized to do business in the State of Tennessee. Upon arrival of said bond the person desiring to do such work shall secure from the Office of Construction Code Enforcement a registration to do business, which shall run concurrent with the fiscal policy of such authority. When a single legal entity maintains two or more such licenses or registrations with Office of Construction Code Enforcement or undertakes to work on two or more structures under different permits, the total penal sum of the bond for all such licenses and permits shall not exceed \$50,000. A single bond may be used to meet this requirement.

105.9.1.1.1 Conditions. –The conditions of the bond shall be that the principle and surety shall indemnify the City of Memphis and the County of Shelby for their own use, and/or to any citizen against loss by improper compliance with the Technical Codes and any other law or ordinance governing such work: that the principal will suffer no work to be done without a permit, and will report done for inspection by the Building Official in conformity with the Technical Codes.

105.9.1.1.2 Duration. – Such bond or letter of credit shall be continuous and remain in effect every year thereafter, unless canceled by providing 60 days written notice to the principal and obligee. Immediately upon receiving written notice of cancellation, the Building Official shall require that a new bond or letter of credit be furnished. The proper bond or letter of credit form will be provided by the Building Official.

105.9.1.1.3 Failure To Furnish. – Every contractor who fails to furnish a new bond or letter of credit as required above shall be deemed

to have ceased to engage in the business of contracting. No further permits for work under the Technical Codes shall be issued, nor shall work proceed on permitted work until the required bond is furnished.

105.9.1.1.4 Deposit Or Bond To Insure Lot Cleaning. – Before issuing a permit to demolish a building or structure, the Building Official shall require that a deposit be posted, either a cashier's check or an approved surety bond, to insure that the premises, from which the building has been demolished or removed, will be properly cleaned and left in condition as outlined hereinafter. Deposit shall be in the following amounts for each building or structure:

1. A deposit of \$300 shall be made when the demolition is of residential dwellings of one or two stories in height, and containing not more than 5,000 square feet per floor, and said demolition is by the property owner.
2. A deposit of \$500 shall be made when the demolition is of residential and/or multi-dwellings of one or two stories in height, and containing not more than 10,000 square feet per floor.
3. A deposit of \$1,000 shall be made when the demolition is of residential dwellings of more than two stories in height, and/or containing over 10,000 square feet per floor.
4. A deposit of \$1,500 shall be made when the demolition is of commercial and industrial structures of one or two stories in height, and containing not more than 10,000 square feet per floor.
5. A deposit of \$2,500 shall be made when the demolition is of commercial and industrial structures of one to three stories in height, and containing not more than 25,000 square feet floor space.
6. A deposit of \$5,000 shall be made when the demolition is of commercial and industrial structures of more than three stories in height, and/or containing over 25,000 square feet per floor.

Exceptions. – Where a permit for demolition under condemnation by the sovereign, federal, state or municipal, the above deposit or bond may be waived by the Building Official.

105.9.2 Liability Insurance

105.9.2.1 Insurance Policy. – Every registered and/or licensed contractor, acting as a contractor as listed below, shall be required to file with the Building Official an insurance policy issued by an incorporated insurance company licensed to do business in Tennessee. The policy must cover the registered or licensed contractor, their

employees and Memphis and Shelby County, with liability insurance providing a minimum coverage of \$150,000 per person, and \$500,000 for any one occurrence of bodily injury, and for property damage to the extent of \$150,000 per accident. Such insurance policy shall specify (one of the following) in its coverage.

1. Building Mover Contractor: such insurance policy shall specify moving of buildings as the purpose and coverage.

2. Demolition Contractor: Such insurance policy shall specify demolition as the purpose and coverage.

Exception. – A property owner of record shall not be required to file with the Building Official proof of liability insurance when demolishing his own residential building, provided such building is not more than two stories in height and contains not more than two living units.

105.9.2.2 Insolvency Or Bankruptcy. – Such policy shall provide that the insolvency or bankruptcy of the assured shall not relieve the company from payment of damages for injuries or death sustained or loss occasioned within the provisions of the policy.

105.9.2.3 Cancellation. – Such policy shall further provide that it may not be canceled, except for non-payment of premium, unless the Building Official is given at least 30 days written notice, sent registered mail, prior to cancellation. If cancellation is for non-payment of premium, at least ten days notice, sent by registered mail, shall be given.

105.9.3 Contractor Registration And/Or Licensing. – It shall be the duty of every contractor who shall make contracts for the installation or repairs of building, structure, electrical, mechanical, gas, or plumbing systems, for which a permit is required, to comply with the state or local rules and regulations concerning the registration and/or licensing which the applicable governing authority may have adopted.

Section 106 - Construction Documents

106.1 Submittal Documents. – Construction documents, special inspection and structural observation programs, and other data shall be submitted with one copy of specifications and four 4 copies of plans with each application for a permit. The construction documents shall be prepared by a registered design professional where required by the statutes of the jurisdiction in which the project is to be constructed. Where special conditions exist, the Building Official is

authorized to require additional construction documents to be prepared by a registered design professional.

Exception: The Building Official is authorized to waive the submission of construction documents and other data not required to be prepared by a registered design professional if it is found that the nature of the work applied for is such that the review of construction documents is not necessary to obtain compliance with the code.

106.1.1 Information On Construction

Documents. - Construction documents shall be dimensioned and drawn upon suitable material. Electronic media documents are permitted to be submitted when approved by the Building Official. Construction documents shall be of sufficient clarity to indicate the location, nature and extent of the work proposed and shown in detail that it will conform to the provisions of this code and relevant laws, ordinances, rules and regulations, as determined by the Building Official.

106.1.2 Means Of Egress. - The construction documents shall show in sufficient detail the location, construction, size and character of all portions of the means of egress in compliance with the provisions of this code. In other than occupancies in Group R-2, R-3, as applicable in Section 101.2 and I-1, the construction documents shall designate the number of occupants to be accommodated on every floor, and in all rooms and spaces.

106.1.3 Exterior Wall Envelope. - Construction documents for all buildings shall describe the exterior wall envelope in sufficient detail to determine compliance with this code. The construction documents shall provide details of the exterior wall envelope as required, including flashing, intersections with dissimilar materials, corners, end details, control joints, intersections at roof, eaves or parapets, means of drainage, water-resistant membranes and details around the openings.

The construction documents shall include manufacturer's installation instructions that provide supporting documentation that the proposed construction documents maintain the weather resistance of the exterior wall envelope. The supporting documentation shall fully describe the exterior wall system which was tested, where applicable, as well as the test procedure used.

106.2 Site Plan. - The construction documents submitted with the application for permit shall be accompanied by a site plan showing to scale the

size and locations of new construction and existing structures on the site, distances from lot lines, the established street grades and the proposed finished grades and, as applicable, flood hazard areas, floodways, and design flood elevations; and it shall be drawn in accordance with an accurate boundary line survey. In the case of demolition, the site plan shall show the construction to be demolished and the location and size of existing structures and construction that are to remain on site or plot. The Building Official is authorized a waiver or modify the requirements for a site plan when the application for permit is for alteration or repair or when otherwise warranted.

106.3 Examination Of Documents. - The Building Official shall examine or cause to be examined the accompanying construction documents and shall ascertain by such examinations whether the construction indicated and described is in accordance with the requirements of this code and other pertinent laws or ordinances.

106.3.1 Review Of Construction Documents. - When the Building Official issues a permit, the construction documents shall be endorsed, in writing or by stamp, as "REVIEWED." One set of construction documents so reviewed shall be retained by the Building Official. Another set shall be returned to the applicant, shall be kept at the site of work and shall be open to inspection by the Building Official or a duly authorized representative.

106.3.2 Previous Reviews. - This code shall not require changes in the construction documents, construction or designated occupancy of a structure for which has been pursued in good faith within 180 day of the effective date of this code and has not been abandoned.

106.3.3 Phase Review. - The Building Official is authorized to issue a permit for the construction of foundation or any other part of a building or structure before the construction documents for the whole building or structure have been submitted, provided that adequate information and detailed statements have been filed complying with pertinent requirements of the code. The holder of such permit for the foundation or other parts of a building or structure shall proceed at the holder's risk with the building operation and without assurance that a permit for the entire structure will be granted.

106.3.4 Design Professional In Responsible Charge.

106.3.4.1 General. - When it is required that documents be prepared by a registered design

professional, the Building Official shall be authorized to require the owner to engage and designate on the building permit application a registered design professional who shall act as the registered design professional in responsible charge. If the circumstances require, the owner shall designate a substitute registered design professional in responsible charge who shall perform the duties required of the original registered professional in responsible charge. The Building Official shall be notified in writing by the owner if the registered design professional in responsible charge is changed or is unable to continue to perform the duties.

The registered design professional in responsible charge shall be responsible for reviewing and coordinating submittal documents prepared by others, including phased and deferred submittal items, for compatibility with the design of the building.

Where structural observation is required by Section 1709, the inspection program shall name the individual or firm who are to perform structural observations and describe the stages of construction at which structural observation is to occur (see also duties specified in Section 1704).

106.3.4.2 Deferred Submittals. - For the purpose of this section, deferred submittals are defined as those portions of the design that are not submitted at the time of application and that are to be submitted to the Building Official within a specified period.

Deferral of any submittal items shall have the prior approval of the Building Official. The registered design professional in responsible charge shall list the deferred submittals on the construction documents for review by the Building Official.

Documents for deferred submittal items shall be submitted to the registered design professional in responsible charge who shall review them and forward them to the Building Official with a notation indicating that the deferred submittal documents have been reviewed and been found to be in general conformance to the design of the building. The deferred submittal items shall not be installed until the design and submittal documents have been approved by the Building Official.

106.3.4.3. Design Professional. - The Design Professional shall be an architect or engineer legally registered under the laws of this state regulating the practice of architecture or engineering and shall affix his official seal to said plans, specifications and accompanying data, for the following:

1. Group A, E, and I occupancies;
2. Buildings and structures three stories or more high;
3. Buildings and structures 5,000 square feet or more in area.

For all other buildings and structures, the submittal shall bear the certification of the applicant that some specific state law permits its preparation by a person not so registered.

106.4 Amended Construction Documents. - Work shall be installed in accordance with the approved construction documents, and any changes made during construction that are not in compliance with the approved construction documents shall be resubmitted for approval as an amended set of construction documents.

106.5 Retention Of Construction Documents. - One set of reviewed construction documents shall be retained by the Building Official for a period of not less than 180 days from the date of completion of the permitted work, or as required by state or local laws.

Section 107 - Temporary Structures and Uses

107.1 General. - The Building Official is authorized to issue a permit for temporary structures and temporary uses. Such permits shall be limited as to time of service, but shall not be permitted for more than 180 days. The Building Official is authorized to grant extensions for demonstrated cause. The permit may further authorize the removal and re-establish of any temporary structure at a single address or location during the six-month permit period without the need for a new building permit, provided the following conditions are met:

1. The same temporary structure is erected in the same location, for the same use, and;
 2. Any required code certifications remain valid, and;
 3. All plumbing and/or electrical permits are obtained and inspections conducted for each time the structure is re-established when electricity is present or a plumbing hook-up required, and;
 5. Written notice is provided to the Building Official at least 5 business days prior to each time the temporary structure is re-established.
- No time extension is allowed for permits containing removal and re-establishment authority.

107.2 Conformance. - Temporary structures and uses shall conform to the structural strength, fire safety, means of egress, accessibility, light, ventilation and sanitary requirements of this code

as necessary to ensure the public health, safety and general welfare.

107.3 Temporary Power. - The Building Official is authorized to give permission to temporarily supply and use power in part of an electrical installation before such installation has been fully completed and the final certificate of completion has been issued. The part covered by the temporary certificate shall comply with the requirements specified for temporary lighting, heat or power in the *ICC Electrical Code*, as locally amended.

107.4 Termination Of Approval. - The Building Official is authorized to terminate such permit for a temporary structure or use and to order the temporary structure or use to be discontinued.

Section 108 - Fees

108.1 Payment Of Fees. – A permit shall not be valid until the fees prescribed by law have been paid, nor shall an amendment to a permit be released until the additional fee, if any, has been paid.

108.2 Schedule Of Permit Fees. – On buildings, structures, electrical, gas, mechanical and plumbing systems or alterations requiring a permit, a fee for each permit shall be paid as required, in accordance with the schedule as established by the applicable governing authority.

108.2.1 Building Permits, Transfer Devices, Plans And Inspection Fees. - The fees charged shall be in accordance with the schedule and information set forth in the Fee Ordinance for Memphis and Shelby County. Relevant portions addressing building fees and other related areas of this code are found in Appendix I.

108.3 Building Permit Valuations. - The applicant for a permit shall provide an estimated permit value at time of application. Permit valuation shall include total value of work, including materials and labor, for which the permit is being issued, such as electrical, gas, mechanical, plumbing equipment and permanent systems. If, in the opinion of the Building Official, the valuation is underestimated on the application, the permit shall be denied, unless the applicant can show detailed estimates to meet the approval of the Building Official. Final building permit valuation shall be set by the Building Official.

108.4 Work Commencing Before Permit Issuance. - Any person who commences any work on any building, structure, electrical, gas,

mechanical or plumbing system before obtaining the necessary permits shall be subject to a fee established by the Building Official that shall be in addition to the required permit fee. This additional fee shall be 100% of the usual permit fee. If the same person is determined to have committed the same offense within 12 months of the first occurrence of failing to obtain a permit, the permit fee will be 3 times the usual permit fee in addition to the required permit fees.

108.5 Related Fees. - The payment of the fee for the construction, alteration, removal or demolition for work done in connection to or concurrently with the work authorized by a building permit shall not relieve the applicant or holder of the permit from the payment of other fees that are prescribed by law.

108.6 Refunds. – Refunds shall be provided as set forth in Appendix I and the Fee Ordinance.

Section 109 - Inspections

109.1 General. - Construction or work for which a permit is required shall be subject to inspection by the Building Official and such construction or work shall remain accessible and exposed for inspection purposes until approved. Approval as a result of an inspection shall not be construed to be an approval of a violation of the provisions of this code or of other ordinances of the jurisdiction. Inspections presuming to give authority to violate or cancel the provisions of this code or of other ordinances of the jurisdiction shall not be valid. It shall be the duty of the permit applicant to cause the work to remain accessible and exposed for inspection purpose. Neither the Building Official nor the jurisdiction shall be liable for expense entailed in the removal or replacement of any material required to allow inspection.

109.2 Preliminary Inspection. - Before issuing a permit, the Building Official is authorized to examine or cause to be examined buildings, structures, and sites for which an application has been filed.

109.3 Required Inspections. - The Building Official, upon notification, shall make the inspections set forth in Section 109.3.1 through 109.3.10.

109.3.1 Footing And Foundation Inspection. - Footing and foundation inspections shall be made after the excavation for footings are complete and any required reinforcing steel is in place. For concrete foundations, any required forms shall be in place prior to inspection. Materials for the foundation shall be on the job,

except where concrete is ready mixed in accordance with ASTM C 94, the concrete need not be on the job.

109.3.2 Concrete Slab And Under-Floor Inspection. – Concrete slab and under-floor inspections shall be made after the in-slab or under-floor reinforcing steel and building service equipment, conduit, piping accessories and other ancillary equipment items are in place, but before any concrete is placed or floor sheathing installed, including the subfloor.

109.3.3 Lowest Floor Elevation. – In flood hazard areas, upon placement of the lowest floor, including the basement, and prior to further vertical construction, the elevation certification required in Section 1612.5 shall be submitted to the Building Official.

109.3.4 Frame Inspection. – Framing inspections shall be made after the roof deck or sheathing, all framing, firebricking and bracing are in place and pipes, chimneys and vents to be concealed are complete and the rough electrical, plumbing, heating, wires, pipes, and ducts are approved.

109.3.5 Lath And Gypsum Board Inspection. – Lath and gypsum board inspections shall be made after lathing and gypsum board, interior and exterior, is in place, but before any plastering is applied or gypsum board joints and fasteners are taped and finished.

Exception: Gypsum board that is not part of a fire-resistance-rated assembly or a shear assembly.

109.3.6 Fire-Resistant Penetrations. – Protection of joints and penetrations in fire resistance-rated assemblies shall not be concealed from view until inspected and approved

109.3.7 Reserved.

109.3.8 Other Inspections. – In addition to the inspections specified above, the Building Official is authorized to make or require other inspections of any construction work to ascertain compliance with the provisions of this code and other laws that are enforced by the Office of Construction Code Enforcement.

109.3.9 Special Inspections. – For special inspections, see Section 1704.

109.3.10 Final Inspections. – The final inspection shall be made after all work required by the building permit is completed.

109.4 Inspection Agencies. – The Building Official is authorized to accept reports of approved inspection agencies, provided such agencies satisfy the requirements as to qualifications and reliability.

109.5 Inspection Requests. – It shall be the duty of the holder of the building permit or their duly authorized agent to notify the Building Official when work is ready for inspection. It shall be the duty of the permit holder to provide access to and means of inspection of such work that are required by this code.

109.6 Approval Required. – Work shall not be done beyond the point indicated in each successive inspection without first obtaining the approval of the Building Official. The Building Official, upon notification, shall make the requested inspections and shall either indicate the portion of the construction that is satisfactory as completed, or notify the permit holder or his or her agent wherein the same fails to comply with this code. Any such portion that does not comply shall be corrected and such portion shall not be covered or concealed until authorized by the Building Official.

109.7 Re-Inspection Fees For Excessive Or Repeat Inspection Calls. – When an Inspector rejects an inspection of part or all of a building, electrical, gas, mechanical and/or plumbing system or equipment due to the work being in violation or incomplete, or no plainly visible street address is posted on the job site, an additional fee shall be as set forth in the Fee Ordinance, and as shown in Appendix I, and charged for re-inspection of the same infraction and each re-inspection thereafter until the infraction is corrected.

109.7.1 Re-inspection Appeal. – Any person, firm or corporation aggrieved by the assessment of any re-inspection fee may appeal to the Chief Inspector for a review of the facts involved and a possible reduction in or dismissal of said fees.

109.7.2 Time To Pay. – Re-inspection fees shall be paid before the next inspection.

109.8 No Warranty To Be Construed. – The inspection of any building, system or plans by any jurisdiction, under the requirements of the Technical Codes, shall not be construed in any court as a warranty of the physical condition of such building, system or plans or their adequacy. No jurisdiction or any employee thereof shall be liable in tort for damages for any defect or hazardous or illegal condition or inadequacy in such building, system or plans, or for any failure of any component of such, which may occur subsequent to such inspection or permitting.

109.9 Assistance From Other Agencies. – The assistance and cooperation of police, building, fire and health department officials and all other officials shall be available as required in the performance of duties.

Section 110- Certificate Of Occupancy

110.1 Use And Occupancy. - No building or structure shall be used or occupied, and no change in the existing occupancy classification of a building or structure or portion thereof shall be made until the Building Official has issued a certificate of occupancy therefore as provided herein. Issuance of a certificate of occupancy shall not be construed as an approval of a violation of the provisions of this code or of other ordinances of the jurisdiction.

110.2 Existing Building Certificate Of Occupancy. - A certificate of occupancy for any existing building may be obtained by applying to the Building Official and supplying the information and data necessary to determine compliance with the Technical Codes for the occupancy intended. Where necessary, in the opinion of the Building Official, two sets of detailed "as built" drawings or a general inspection, or both may be required. When, upon examination and inspection, it is found that the building conforms to the provisions of the Technical Codes and other applicable laws and ordinances for such occupancy, a certificate of occupancy shall be issued.

110.3 Temporary Occupancy. - The Building Official is authorized to issue temporary certificates of occupancy before the completion of the entire work covered by the permit, provided that such portion or portions shall be occupied safely. The Building Official shall set a time period during which the temporary certificate of occupancy is valid.

110.4 Revocation. - The Building Official is authorized to, in writing, suspend or revoke a certificate of occupancy or completion issued under the provisions of this code wherever the certificate was issued in error, or on the basis of incorrect information supplied, or where it is determined that the building or structure or portion thereof is in violation of any ordinance or regulation or any of the provisions of this code.

110.5 Posting Of The Certificate Of Occupancy. - The certificate of occupancy shall be posted in a conspicuous space and available for examination.

110.6 Certificate Of Completion. - Upon satisfactory completion of a building, structure, electrical, gas, mechanical or plumbing system, a certificate of completion may be issued. This certificate is proof that a structure or system is complete and for certain types of permits is released for use and may be connected to a utility

system. This certificate does not grant authority to occupy a building, such as a shell building, prior to the issuance of a certificate of occupancy.

110.7 Posting Floor Loads

110.7.1 Occupancy. - An existing or new building shall not be occupied for any purpose, which will cause the floors thereof to be loaded beyond their safe capacity. The Building Official may permit occupancy of a building for mercantile, commercial or industrial purposes, by a specific business, when he is satisfied that such capacity will not thereby be exceeded.

110.7.2 Storage And Factory- Industrial Occupancies. - It shall be the responsibility of the owner, agent, proprietor or occupant of Group S and Group F occupancies, or an occupancy where excessive floor loading is likely to occur, to employ a licensed architect or engineer in computing the safe load capacity. All such computations shall be accompanied by an affidavit from the architect or engineer stating the safe allowable floor load on each floor in pounds per square foot uniformly distributed. The computations and affidavit shall be filed as a permanent record of the Office of Construction Code Enforcement.

110.8 Tests. - The Building Official may require tests or test reports as proof of compliance. Required tests are to be made at the expense of the owner, or his agent, by an approved testing laboratory or other approved agency.

Section 111 - Service Utilities

111.1 Connection Of Service Utilities. - No person shall make connection from a utility, source of energy, fuel or power to any building or system that is regulated by this code for which a permit is required, until released by the Building Official.

111.2 Temporary Connection. - The Building Official shall have the authority to authorize the temporary connection of the building or system to the utility source of energy, fuel or power.

111.3 Authority To Disconnect Services Utilities. - The Building Official shall have the authority to authorize disconnection of utility service to the building, structure or system regulated by this code and the codes referenced in case of emergency where necessary to eliminate an immediate hazard to life or property. The Building Official shall notify the servicing utility, and wherever possible, the owner and occupant of the building, structure or service system of the decision to disconnect prior

to taking such action. If not notified prior to disconnection, the owner or occupant of the building, structure or service system shall be notified in writing, as soon as practical thereafter.

Section 112 - Means Of Appeal

112.1 Membership Of Joint Board Of Appeals.

– The Memphis and Shelby County Joint Board of Appeals shall consist of a total of 17 appointed and 2 ex-officio members. Those appointed members, not employees of any government unit, are as follows.

112.1.1 Composition Of Board. - Membership shall include representatives from the following classes:

1. Tennessee Licensed Architect
2. Tennessee Licensed Structural Engineer
3. Tennessee Licensed Building Contractor
4. Licensed Electrical Engineer
5. Licensed Electrical Contractor
6. Licensed Elevator Contractor or Manufacturer
7. Licensed Heating and Air Condition Contractor
8. Licensed Mechanical Engineer
9. Licensed Plumbing Contractor
10. Licensed Residential Contractor
11. Fire Prevention Representative
12. Licensed Fire Protection Contractor
13. Citizen-at-large
14. Member of the Building Code Advisory Board (Chairperson or Board Member appointed by the Chairperson)
15. Member of the Electrical Code Advisory Board (Chairperson or Board Member appointed by the Chairperson)
16. Member of the Mechanical Code Advisory Board (Chairperson or Board Member appointed by the Chairperson)
17. Member of the Plumbing Code Advisory Board (Chairperson or Board Member appointed by the Chairperson)

112.1.2 Appointed Ex-Officio Members.

– After the above categories of members have been appointed, the Mayors shall appoint such other person as each may deem qualified to serve as ex-officio members.

112.1.3 Other Ex-Officio Members. – In addition, the building official of the City of Memphis and Shelby County and the fire Marshall of the City of Memphis shall serve as ex-officio members without a vote.

112.2 Appointments. – All appointed members of the Board shall be appointed by both Mayors

and approved by the Memphis City Council and Shelby County Board of Commissioners.

112.3 Term Of Office. – The term of office of the board members shall be staggered so no more than 1/3 of the Board is appointed or replaced in any 12 month period. The two alternates, if appointed, shall serve one year terms.

112.3.1 Filling Unexpired Terms And Service Without Pay. - Vacancies shall be filled for the unexpired term in the manner in which the original appointments are required to be made.

All appointed Board members shall be residents of Shelby County and shall serve without pay.

112.3.2 Oath. - All members shall qualify and take an oath to uphold the Constitution of the United States and the State of Tennessee and faithfully discharge the duties of their office.

112.3.3 Absence Shall Be Cause For Removal. – Continued absence of any member from required meeting of the Board shall, at the discretion of the applicable governing body, render any such member subject to immediate removal from office.

112.4 Quorum And Voting. – A simple majority of the Board shall constitute a quorum. In varying any provision of this code, the affirmative votes of $\frac{3}{4}$ members present, but not less than five affirmative votes, shall be required. In modifying a decision of the building official, not less than five affirmative votes of the members present. In an approving an equal to or better method, the majority affirmative votes shall be required. In the event that regular members are unable to attend and a quorum is not present, the Building Official shall be empowered to appoint alternative members to obtain a quorum.

112.5 Absence Of Members. – During absence of a member by reason of disability or disqualification, the Administrator shall designate a qualified substitute. However, 3 successive unexcused absences from any regular or special meetings shall be grounds for termination at the will and pleasure of the appointing Mayor without the necessity of a hearing and the action shall be final.

112.6 Chairperson And Vice Chairperson Of The Joint Board Of Appeals. – At the first meeting of each year, the Board shall select one of its members to serve as Chairperson for the year, and one of its members to serve as Vice Chairperson.

112.7 Secretary Of The Board. – The Building Official shall act as secretary of the Board and shall make a detailed record of all of its proceedings, which shall set forth the reasons for

its decisions, the vote of each member, and the absence of a member and any failure by a member to vote.

112.8 Power. – The Joint Board of Appeals shall have power, as further defined in sections 112.9.1 and 112.10 of the technical codes to hear appeals of decisions and interpretations of the Building Official and consider variances of the technical codes.

112.9 Appeals

112.9.1 Decisions Of The Building Official. – The owner of a building, structure or service system, or his duly authorized agent, may appeal a decision of the Building Official to the Joint Board of Appeals whenever any one of the following conditions are claimed to exist:

1. The Building Official rejected or refused to approve the mode or manner of construction proposed to be followed or materials to be used in installation or alteration of a building, structure or service system.
2. The provisions of this code do not apply to this specific case
3. That an equally good or more desirable form of construction can be employed in any specific case.
4. The true intent and meaning of the code or any of the regulations thereunder have been misconstrued or incorrectly interpreted.

112.10 Variances. – The Joint Board of Appeals, when so appealed to and after hearing, may vary the application of any provision of this code to any particular case when, in its opinion, the enforcement thereof would do manifest injustice and would be contrary to the spirit and purpose of this or the technical codes or public interest, and also finds all of the following:

1. That special conditions and circumstances exist which are peculiar to the building, structure or service system involved and which are not applicable to others.
2. That the special conditions and circumstances do not result from the action or inaction of the applicant;
3. That granting the variance requested will not confer on the applicant any special privilege that is denied by the code to other buildings, structures, or service systems.
4. That the variance granted is the minimum variance that will make possible the reasonable use of the building, structure or service system
5. That the grant of the variance will be in harmony with the general intent and purpose of this code and will not be detrimental to the public health, safety and general welfare.

112.11 Conditions Of The Variance. – In granting the variance, the Board may prescribe a reasonable time limit within which the action for which the variance is required shall be commenced or completed or both. In addition, the board may prescribe appropriate conditions and safeguards in conformity with this code. Violations of the conditions of a variance shall be deemed a violation of this code.

112.12 Notice Of Appeal. – Notice of appeal shall be in writing and filed within 30 calendar days after the decision is rendered by the Building Official. Appeals shall be in a form acceptable to the Building Official.

112.13 Unsafe Or Dangerous Building Or Service System. – In the case of a building, structure or service system which in the opinion of the building official is unsafe, unsanitary or dangerous, the Building Official may, in his order, limit the time for such appeals to a shorter period.

112.14 Procedures Of The Board

112.14.1 Rules And Regulations. – The Board shall establish rules and regulations for its own procedure not inconsistent with the provisions of this code. The board shall meet on call of the Chairperson. The Board shall meet within 30 calendar days after notice of appeal has been received.

112.15 Decisions. – The Joint Board of Appeals shall, in every case, reach a decision without unreasonable or unnecessary delay. Each decision of the Board shall also include the reasons for the decision. If a decision of the Board reverses or modifies a refusal, order or disallowance of the Building Official or varies the application of any provision of this code, the building official shall immediately take action in accordance with such decision. Every decision shall be promptly filed in writing in the office of the building official and shall be open to public inspection. A certified copy shall be kept publicly posted in the office of the building official for two weeks after filing. Every decision of the board shall be final; subject however to such remedy as any aggrieved party might have at law or in equity.

SECTION 113 - Violations

113.1 Unlawful Acts. – It shall be unlawful for a person, firm or corporation to erect, construct, alter, extend, repair, move, remove, demolish or occupy any building, structure or equipment regulated by this code or cause same to be done,

in conflict with or in violation of any of the provisions of this code.

113.2 Notice Of Violation. - The Building Official shall serve a notice of violation or order to the person responsible for the erection, construction, alteration, extension, repair, moving, removal or demolition or occupancy of a building or structure in violation of the provisions of this code. Such order shall direct the discontinuance of the illegal action or condition and the abatement of the violation.

113.3 Prosecution Of Violation. - If the notice of violation is not complied with promptly, the Building Official is authorized to request the legal counsel of the jurisdiction to institute the appropriate proceeding at law or in equity to restrain, correct or abate such violation, or to require the removal or termination of the unlawful occupancy of the building or structure in violation of the provisions of this code or of the order or direction made pursuant thereto.

113.4 Violation Penalties. - Any person who shall violate a provision of this code or shall fail to comply with any of the requirements thereof or who shall erect, constructs, alter or repair a building or structure in violation of the approved construction documents or directive of the Building Official, or of a permit or certificate issued under the provisions of this code, shall be guilty of a civil offense, punishable by a fine of not more than fifty (\$50) dollars per day per violation. Each day that a violation continues after due notice has been served shall be deemed a separate offense.

113.5 Abatement Of Violation. - The imposition of the penalties herein proscribed shall not preclude the legal officer of the jurisdiction from instituting appropriate action to prevent unlawful construction or to restrain, correct or abate a violation, or to prevent illegal occupancy of a building, structure or premises, or to stop an illegal act, conduct, business or utilization of the building or structure on any premises.

113.6 Prohibition Of Interference. - Any person interfering with the Building Official or his assistants in the performance of their duties shall be guilty of a violation of this code.

113.7 Withholding Permits. - The failure to respond to official correspondence from the Building Official or his designee after registered mailing by said Board to the contractor's address of record (record with the Office of Construction Code Enforcement) shall be deemed a sufficient reason to withhold permits, and every contractor shall be held responsible for the violation of the

Technical Codes by his employees. Permits shall be issued only to a licensed and/or registered contractor. No permit shall be issued to any licensed and/or registered contractor during the time that he shall fail to remedy defective work or fail to call for inspections after being informed by the Building Official or his designee that he has been held responsible therefore under the Technical Codes. Any other violation of the Technical Codes shall also be grounds for withholding permits.

113.8 Code Does Not Affect Liability For Damages.

113.8.1 Responsibilities. - The Technical Codes shall not be construed to affect the responsibilities or liabilities of any person owning, operating, controlling or installing material, devices, appliances, or equivalent for damages to persons or property caused by any defects therein, nor shall the City of Memphis and/or Shelby County be held to assume any such liability by reason of the approval of any material, device, appliance, or equipment authorized herein.

113.8.2 Governmental Purpose Of Technical Codes. - The regulations provided in the Technical Codes and/or Ordinances are hereby declared to be governmental and for the benefit of the public. Any member of the governing bodies of Memphis or Shelby County, or any official or employee, or board member charged with the enforcement of the Technical Codes acting for the City and County in the discharge of his duty, shall not thereby render himself personally liable, and he is hereby relieved from all personal liability for any damage that may accrue to persons or property as the result of an act required or permitted in the discharge of his duties. Any suit brought against such official or employee, because of such act performed by him in the enforcement of any provision of the Technical Codes shall be defended by the County and/or City Attorney until the final adjudication of the proceedings.

113.9 False Representation

113.9.1 Inspector. - It shall be a violation for persons not employed by the authority having jurisdiction established in State statute and local ordinances, to represent themselves to the public as an inspector.

113.9.2 Inspections Not Prohibited. - This section does not preclude licensed engineers and contractors from making inspections as required in performing their duties.

113.9.3 Penalty For Violation. - Any person, firm or corporation who violates this provision

shall be punished by a fine of not less than \$1.00 nor more than \$50 for each offense. Each day during which the violation shall be continued shall be a separate offense.

113.10 Concealed Improper Or Defective Building, Electrical, Gas, Mechanical And/Or Plumbing Systems. – Any person intentionally concealing from view improperly connected joints or any defective or substandard construction work including but not limited to, spliced wires, piping, gas lines, framing, etc., shall be guilty of a violation and punishable by a fine as provided in Section 113.4 and 113.5.

113.11 Removal Of Defective Work. – Construction work installed in violation of the Technical Codes or in an otherwise unlawful manner, shall be removed in its entirety on order, in writing, from the Building Official or his duly authorized representative and shall be reinstalled in a lawful manner as prescribed by the Technical Codes

113.12 Conspiracy To Evade Code Requirements. – Any person licensed under this Code who conspires with another person or firm to evade any of the provisions of this chapter or other ordinances or laws governing the building code shall have that license suspended or revoked, either temporarily or permanently, by the Building Code Board upon submission of proof that such conspiracy exists or did exist.

113.13 Advertising By Name. – It shall be a violation for any person, firm, corporation or any other business that engages in, seeks to engage in, or follows the business or occupation of contracting to advertise in any form or media under any name other than the same company name on the application the licensed or Certified State Contractor has on file with the Office of Construction Code Enforcement.

Section 114 - Stop Work Order

114.1 Authority. – Whenever the Building Official finds any work regulated by this code being performed in a manner either contrary to the provisions of this code or in a dangerous or unsafe manner, the Building Official is authorized to issue a stop work order.

114.2 Issuance. – The stop work order shall be in writing and shall be given to the owner of the property involved, or to the owner's agent, or to the person doing the work. Upon issuance of a stop work order work all construction work at that location shall cease. The stop work order shall state the reason for the order, and the

conditions under which the cited work will be permitted to resume.

114.3 Unlawful Continuance. – Any person who shall continue to work after having been served with a stop work order, except such work as that person is directed to perform to remove the violation or unsafe condition shall be subject to penalties prescribed by law.

Section 115 - Unsafe Structures And Equipment

115.1 Conditions. – Structures or existing equipment that are or hereinafter become unsafe, unsanitary or deficient because of inadequate means of egress facilities, inadequate light and ventilation or which constitutes a fire hazard or are otherwise dangerous to human life or the public welfare, or that involve illegal or improper occupancy or inadequate maintenance, shall be deemed an unsafe condition. Unsafe structures shall be taken down and removed, or made safe, as the Building Official deems necessary and as provided for in this section. A vacant structure that is not secured against entry shall be deemed unsafe.

115.2 Record. – The Building Official shall cause a report to be filed on an unsafe condition. The report shall state the occupancy of the structure and the nature of the unsafe condition.

115.3 Notice. – If an unsafe condition is found, the Building Official shall serve on the owner, agent or person in control of the structure, a written notice that describes the conditions deemed unsafe and specifies the required repairs or improvements to be made to abate the unsafe condition, or that requires the unsafe structure to be demolished within a specific time. Such notice shall require the person thus notified to declare immediately to the Building Official acceptance or rejection of the terms of the order.

115.4 Method Of Service. – Such notice shall be deemed properly served if a copy thereof is (a) delivered to the owner personally; (b) sent by certified or registered mail addressed to the owner at the last known address with the return receipt requested; or (c) delivered in any other manner as prescribed by local law. If the certified or registered letter is returned showing that the letter was not delivered, a copy thereof shall be posted in a conspicuous place in or about the structure affected by such notice. Service of such notice in the foregoing manner upon the owner's agent or upon the person responsible for the structure shall constitute service of notice upon the owner.

115.5 Restoration. - The structure or equipment determined to be unsafe by the Building Official is permitted to be restored to safe condition. To the extent the repairs, alterations or additions are made or a change in occupancy occurs during the restoration of the structure, such repairs, alterations, additions, or changes in occupancy shall comply with the requirements of 105.22 and Chapter 34.

Section 116 - Contractor License For Moving Of Buildings Or Structures

116.1 Application For License. - Application shall be submitted in writing on such form as the Building Official may prescribe, which shall show the training, experience, and qualifications of the applicant in moving buildings or structures. Each application shall be accompanied by a fee of \$75, proof of a minimum of one year experience in moving of buildings or structures, proof of liability insurance covering specifically for purposes of moving buildings or structures, and proof of compliance with the Memphis and Shelby County Business License requirements.

Section 117 - Contractors License For Demolition

117.1 Required. - Except as hereinafter provided, it shall be unlawful for a person, firm or corporation to wreck, demolish, or raze any building or structure within Shelby County, unless such person, firm or corporation has been issued a Demolition Contractor License by the Building Official.

Exception: A property owner of record shall not be required to obtain a license to demolish his own residential building or accessory building provided such building is not more than two stories in height and contains not more than 5,000 square feet per floor. Such property owner shall be subject to all other requirements set out hereafter.

117.2 Classification Of Demolition Contractor Licenses

117.2.1 Class A Licenses. - Class A licenses shall entitle the holder to participate in all demolition work for which he demonstrates, in his application to the Building Official, sufficient experience and expertise. Minimum requirements for a Class A license shall be:

1. At least five years experience in demolition work and proof of experience in all methods of

demolition for which licensee will be granted a permit to wreck, demolish or raze a building.

2. Proof of liability insurance coverage, specifically for demolition purposes, as hereinafter required.

3. Proof of compliance with the Tennessee Tax Act (TCA 67-5801 et seq).

117.2.2 Class B Licenses. - Class B licenses shall entitle the holder to demolish buildings or structures not more than two stories in height that do not exceed 5,000 square feet per floor, or a total volume of the structure to be demolished which does not exceed 120,000 cubic feet. Minimum requirements for a Class B license shall be:

1. At least two years experience in demolition work or a related field.

2. Proof of liability insurance coverage, specifically for demolition purposes, as hereinafter required.

3. Proof of compliance with the Tennessee Business Act (TCA 67-5801 et seq).

117.3 Application For License. - Application shall be submitted in writing on such form as the Building Official may prescribe, which shall show the training, experience and qualifications of the applicant in the demolition of buildings. Each application shall be accompanied by the required fee.

117.4 Fees:

- | | |
|-----------------------------|-------|
| 1. Class A – Application | \$100 |
| 2. Class A – Annual Renewal | \$100 |
| 3. Class B – Application | \$ 75 |
| 4. Class B – Annual Renewal | \$ 75 |

117.5 Issuance. - It shall be the duty of the Building Official to review each application within 30 days of receipt of same, and to issue a license to any applicant demonstrating compliance with the requirements and provisions of the Section.

117.6 Expiration. - All licenses shall expire on June 30 of each year. Renewal shall be during the month of June. If not renewed before expiration, it shall be unlawful for licensee to perform any demolition work.

117.7 Suspension And Revocation

117.7.1 Grounds. – The Building Official shall have the power to suspend or revoke any license after hearing, upon 10 days written notice to the holder to be heard, when it has been proven that such licensee has violated, refused, or neglected to observe any of the proper orders and regulations of the Building Official, or willing and persistently violated any Construction Code of Memphis and Shelby County or law of the State of Tennessee for demolition of a building.

117.7.2 Duration. – All suspensions and revocations may be indeterminate and dependent upon correction of an existing violation, determinate and depending upon correction of an existing violation, or determined for the purpose of prohibiting further demolition activities for a period of from a minimum of 30 days to indefinitely. Such party shall have a right of appeal as provided in Section 117.8 of this code.

117.8 Appeals. – All decisions of the Building Official required and allowed by the Technical Codes shall be considered as valid and enforceable. Any applicant who has been denied a permit or otherwise is aggrieved because of interpretation of provision of the Technical Codes, after review of such interpretation by the Building Official, may make an appeal to the Joint Board of Appeals of Memphis and Shelby County under the terms and conditions set forth in the Technical Codes and in the Technical Codes for the Joint Board of Appeals. See Section 112.

117.9 Liability Insurance. - See Section Above.

117.10 Annual Bond. - See Section Above.

Section 118 - Street Numbers For Building And Lots

118.1 Required. - Every main entrance to every building, suite (each tenant space) and every lot fronting upon any street within Shelby County shall bear and be known by an official street number assigned by Memphis Light Gas and Water Division.

118.2 No Fractional Numbers Allowed. – There shall be no fractional street numbers.

118.3 Attaching, Stenciling, Or Painting Numbers. – Every person owning or occupying any house or building fronting on any street in Shelby County shall, prior to occupancy, have the proper number attached to, stenciled, or painted on the front part of such house or building over, on or by a main entrance in such manner that the number shall be plainly visible from the street. Such street numbers shall conform with this Section. If because of the setback of the house or building, or for any other reason, the number cannot readily be seen from the street, then the occupant shall, in addition to the provisions above position numbering so that it is clearly visible from the street.

118.4 Display Of Incorrect Number. - It shall be unlawful for any person to display any false or incorrect house or lot number knowingly and willfully or with the intention to deceive another person.

Section 119 - Zoning Letters, Compliance Letters, Damage Restoration Statements, Board Of Adjustment Rejection Letters And Other Requested Verification Letters.

119.1 Availability And Fee. - Zoning Letters, compliance letters, damage restoration statements, Board of Adjustment rejection letters and other requested verification letters requiring research by the Office of Construction Code Enforcement are available from OCCE. A written request for a letter from the OCCE shall include the project address, project location (the distance and relationship to an intersecting street), the company name and the year of occupancy of subject property. A fee as set forth in Section B-10.3 shall accompany the request for each letter and an additional fee shall be charged for photocopies. The requested information shall be processed within three working days.

Section 120 - Building Code Board

120.1 Scope. - The public safety requires that persons engaged in the construction, alterations, repair, equipment, use and occupancy, location, maintenance, removal and demolition, of every building or structure and any appurtenances connected or attached to such buildings or structures be qualified to perform such duties competently and in compliance with the Joint Technical Codes. The introduction of new materials and assemblies, recommendations of the contractors and other circumstances may require the change in the Technical Codes, and since the Administrator, Building Official or Chief Inspectors may require professional, qualified and experienced consultants to advise them in matters pertaining to construction work, the Building Code Board is established.

120.2. Duties Of The Building Code Board. – The duties of the Board shall consist of the following:

1. Recommend new materials or assemblies of materials for acceptance and approval or rejection.
2. Recommend changes in the Joint Technical Codes.
3. Act as advisors to the Administrator, Building Official and Chief Inspectors and any other way in which their services may be requested.
4. Develop orderly procedures for reviewing complaints and violations and when necessary recommending the suspension or revocation the

licenses of or otherwise disciplining a license holder

5. Recommending licensing, registration and examination fee charges to the Administrator when appropriate.

6. Assisting in the review of the schedule of fees for inspections and permitting of activities as requested.

120.3 Membership Of The Building Code

Advisory Board. – The Building Code Board shall consist of 10 appointed members, who shall serve for a period of three years with their terms staggered so that no more than 4 terms expire in any one year. All appointed members of the Board shall be appointed by either the Mayor of Memphis or the Mayor of Shelby County and approved respectively by the City Council of Memphis or the County Commission. Each Mayor will make half the appointments that are to be made each year. The Building Official and the Chief Building Inspector shall serve as ex-officio members without a vote. Additionally, representatives of the MLGW, Fire Marshall's Office for the City of Memphis and for the County of Shelby, shall serve as ex-officio members without a right to vote.

120.3.1 Composition Of The Building Code

Board. - The membership of the Building Code Board shall include the following:

Two (2) state of Tennessee licensed architects

Two (2) state of Tennessee licensed engineers (structural)

A state of Tennessee licensed contractor primarily doing residential work

A state of Tennessee licensed contractor primarily doing commercial work

A state of Tennessee licensed contractor primarily doing industrial work

A state of Tennessee licensed equipment manufacturer or supplier

A state of Tennessee licensed engineer (mechanical)

A citizen member

120.2.2.1 Other Members. – After the above categories have been appointed, the Mayors may appoint such other person as each may deem qualified to serve as ex-officio members.

120.3 Absence Of Members. - During absence of a member by reason of disability or

disqualification, the Administrator or Building Official shall designate a qualified substitute.

However, 3 successive unexcused absences from any regular or special meetings shall be grounds for termination at the will and pleasure of the appointing Mayor without the necessity of a hearing and such action shall be final.

120.4 Chairperson, Vice-Chairperson, And Secretary To The Building Code Board.

– At the first meeting of each year, the Board shall select one of its members to serve as Chairperson for that year and one of its members to serve as Vice-Chairperson. The Building Official shall serve as Secretary for the Board. The chairperson of the meeting shall be excluded from any vote at that meeting except to break a tie. The Chairperson or Vice-Chairperson, or selected board member of the Building Code Board shall serve on the Joint Board of Appeals.

120.5 Meetings Of The Board. – The Board shall be subject to meetings at the call of the Chairperson, the Administrator or the Building Official. Each member shall be given 5 days notice before the date of any called meeting.

120.6 Decisions And Findings Of The Board

120.6.1 Administrative Issues. – The Board shall report its decisions, findings and recommendations in writing to the Administrator, who, if he approves, shall cause recommendations concerning the administration of the OCCE to be proposed for enactment.

120.6.2 Technical Issues. - The Board shall report its decisions, findings and recommendations in writing to the Building Official, who, if he approves, shall cause recommendations concerning the technical codes of the OCCE to be enacted.

120.7 Quorum. – A simple majority of the Board shall constitute a quorum. In the event that the regular members are unable to attend and a quorum is not present, the Administrator or the Building Official shall be empowered to appoint alternate members to obtain a quorum.

120.7.1 Minutes Of Meetings. – The Administrator or Building Official shall designate one of the employees of the OCCE to complete accurate minutes at each meeting and make them available to the Board members.

ADD A NEW SECTION 201.5 AS FOLLOWS

201.5 Cross Referenced Definitions – Where a term is defined in this Chapter 2 based on a cross reference to a section of the 2009 International Building Code, that will be regulated by the 2012 International Building Code (i.e. Chapter 14-26 and Chapter 34 of the 2012 International Building Code) and that term has a definition provided in Chapter 2 of the 2012 ICC Building Code, the term shall be defined as provided in the 2012 Building Code.

ADD OR AMEND TO SECTION 202:

Board of Appeals – Whenever the term “Board of Appeals” is used in this Code, it shall mean the Joint Board of Appeals of Memphis and Shelby County.

Building Contractor Registration – The term Building Contractor Registration as used in this Code is defined to include any person, firm, or corporation whose principal business is to, or performing, any of the following: erect, construct, enlarge, alter, repair, move, improve, convert, or demolish any building or structure in the applicable jurisdiction, or cause the same to be done.

Building Official – The officer or other designated authority, or their duly authorized representative, charged with the administration and enforcement of the Technical Codes.

Building Section – Whenever the term “Building Section” is used in this code, it shall mean the Building Section of the Memphis and Shelby County Office of Construction Code Enforcement (MSCCCE).

Chief Appointing Authority – Whenever the term “Chief Appointing Authority” is used in the Technical Codes herein adopted, it shall mean the Mayors of the City of Memphis and County of Shelby, Tennessee.

City, Municipality, or Governing Body – Whenever the word “City” or “Municipality” or “Governing Body” is used in the Technical Codes herein adopted, it shall mean the City of Memphis and County of Shelby, Tennessee.

ADD TO OR AMEND SECTION 202:

International Building Code – Whenever the words “International Building Code” are used in this code herein adopted, it shall mean Chapters 1-13 and 27-33 and Chapter 35 the 2009 International Code Council Building Code with Local Amendments, and Chapters 14-26 and Chapter 34 of the 2012 International Code Council Building Code and will be known as the Joint Building Code (JBC) of Memphis and Shelby County, Tennessee.

International Electrical Code – Whenever the words “International Electrical Code” are used in this code herein adopted, it shall mean the 2008 National Electrical Code (NEC) with Local Amendments and will be known as the Joint Electrical Code (JEC) of Memphis and Shelby County, Tennessee.

International Energy Conservation Code – Whenever the words “International Energy Conservation Code” are used in this code herein adopted, it shall mean the 2009 International Code Council Energy Conservation Code with Local Amendments and will be know as the Joint Energy Conservation Code (JECC) of Memphis and Shelby County, Tennessee.

International Existing Building Code – Whenever the words “International Existing Building Code” are used in this code herein adopted, it shall mean the 2012 International Code Council Existing Building Code with Local Amendments, and will be known as the Joint Existing Building Code (JEBC) of Memphis and Shelby County, Tennessee.

International Fuel Gas Code – Whenever the words “International Fuel Gas Code” are used in this code herein adopted, it shall mean the 2009 International Code Council Fuel Gas Code with Local Amendments and will be known as the Joint Fuel Gas Code (JFGC) of Memphis and Shelby County, Tennessee Technical Codes.

International Mechanical Code – Whenever the word “International Mechanical Code” is used in this code herein adopted, it shall mean the 2009 International Code Council Mechanical Code with Local Amendments and will be known as the Joint Mechanical Code (JMC) of Memphis and Shelby County, Tennessee.

International Plumbing Code – Whenever the words “International Plumbing Code” are used in this code herein adopted, it shall mean the 2009 International Code Council Plumbing Code with Local Amendments and will be known as the Joint Plumbing Code (JPC) of Memphis and Shelby County, Tennessee.

International Residential Code – Whenever the words “International Residential Code” are used in this code herein adopted, it shall mean the 2012 International Code Council Residential Code with Local Amendments and will be known as the Joint Residential Code (JRC) of Memphis and Shelby County, Tennessee.

REPLACE SECTION 310.1 R3 WITH THE FOLLOWING:

R-3 Family (as defined in Section 310.2) and residential occupancies, where the occupants are primarily permanent in nature and not classified as R-1, R-2, R-4 or I and where the buildings do not contain more than two dwelling units as applicable in Section 101.2, or adult and child care facilities that provide accommodations for five or fewer persons of any age for less than 24 hours. Adult and childcare facilities that are within a single-family home are permitted to comply with the *International Residential Code* in accordance with Section 101.2.

ADD THE FOLLOWING DEFINITIONS TO SECTION 310.2

Family – In addition to customary domestic servants, either:

1. An individual or 2 or more persons related by blood, marriage, or adoption, maintaining a common household in a dwelling unit; or
2. A group of not more than four (4) persons who are not related by blood, marriage, or adoption, living together as a common household in a dwelling unit; or
3. A group of eight (8) or fewer unrelated mentally retarded, mentally handicapped, or physically handicapped persons which may include three (3) additional persons acting as house parents, who need not be related to each other or to any of the mentally retarded, mentally handicapped, or physically handicapped persons residing in the house, living together as a common household in a dwelling unit and licensed by either the state departments of Health or Mental Health and Developmental Disabilities.

“Mentally handicapped” does not include persons who are mentally ill and because of such illness, pose a likelihood of serious harm as defined in Tenn. Code Ann. Sec. 33-6-104, or who have been convicted of serious criminal conduct related to such mental illness; and
“Physically handicapped” shall include persons who, due to age or infirmity, are physically in need of residential home care.

ADD EXCEPTION #1 UNDER SECTION 404.7 STANDBY POWER

Exception 1 – Except that system supervision devices with manual start and transfer features shall be provided in a location approved by the Building Official.

ADD SECTION 415.8.12 AS FOLLOWS:

415.8.12 Warehouse Used To Store Group H-3 Combustible Fibers – Warehouse used to store Group H-3 combustible fibers (baled cotton) may be classified as a storage occupancy subject to the following conditions:

1. Type of construction: I-A, I-B, II-A, II-B, III-A, III-B and IV-HT.
2. Approved automatic sprinkler system throughout. (NFPA 13)
3. Cotton is stored in compliance with NFPA 13 and Chapter 29 of the International Fire Code for Baled Combustible Fibers as well as requirements in Chapter 23, High Piled Combustible Storage for Class IV commodities.
4. Compartmentalized areas not exceeding 50,000 sq. ft. with walls a minimum of 2-hour fire-resistance-rating.
5. Separation from the adjacent tenants located in the same building with cotton storage shall be a minimum of 4-hour fire-resistance-rating.

ADD ITEM 4 TO SECTION 507.5 REDUCED OPEN SPACE

4. A reduced open space of zero (0) feet with a 4-hour firewall.

AMEND TABLE 705.8 “MAXIMUM AREA OF EXTERIOR WALL OPENINGS BASED ON FIRE SEPARATION DISTANCE AND DEGREE OF OPENING PROTECTION” – REFERENCED FOOTNOTES TO ADD FOOTNOTE “j” AND HAVE IT APPLY TO THE LAST FIVE DISTANCE MEASUREMENTS IN THE FIRST COLUMN ENTITLED “FIRE SEPARATION DISTANCE”, AS FOLLOWS:

- i. In one story, Group S occupancies, used for mini-storage warehousing, a heat detection system installed in accordance with NFPA 72 E with a central station, may be installed in lieu of the limitation of openings as specified by Table 705.8 for those buildings with a separation distance of at 10 feet or more.

ADD SECTION 903.2.13 AS FOLLOWS:

903.2.13 Buildings In Unincorporated Areas. – Buildings in the unincorporated areas of Shelby County are subject to review by the Shelby County Fire Prevention Department.

AMEND SECTION 1006.1 TO READ AS FOLLOWS:

Section 1006 - Means Of Egress Illumination

1006.1 Illumination Required. - The means of egress, including the exit discharge, shall be illuminated at all times the building space served by the means of egress is occupied.

Exceptions:

1. Occupancies in Group U
2. Aisle accessways in Group A and sprinklered Groups F and S.
3. Dwelling units and sleeping units in Groups R-1, R-2 and R-3.
4. Sleeping units of Group I occupancies.

ADD TO SECTION 1015.2.1 THE FOLLOWING:

1015.2.1 – Two Exit Or Exit Access Doorways. - Where two exits access doorways are required, from any portion of the exit access, the exit doors or exit access doorways shall be placed a distance apart equal to not less than one-half of the length of the maximum overall diagonal dimension of the building or area to be served measured in a straight line between exit doors or exit access doorway. Interlocking or scissor stair shall be counted as one exit stairway.

Exceptions:

1. Where exit enclosures are provided as a portion of the required exit and are interconnected by a one-hour fire resistance rated corridor conforming to the requirements of Section 1018, the required exit separation shall be measured along the shortest direct line of travel within the corridor. Exit enclosure walls shall not be less than 30 feet (9144 mm) apart at any point in a direct line of measurement.
2. Where a building is equipped throughout with an automatic sprinkler system in accordance with Section 903.3.1.1 or 903.3.1.2, the separation distance of the exit doors or exit access doorways shall not be less than one third of the length of the maximum overall diagonal dimension of the area served.
3. In three story apartment buildings equipped with a breezeway separated from each dwelling with a 2 hour assembly and connecting all units to exterior stairways, the distance between the exit stairways shall be one-half the diagonal distance of the area served on either side of the breezeway.

ADD EXCEPTION #5, #6, #7 AND #8 UNDER SECTION 1018.1 “CONSTRUCTION” AS FOLLOWS:

5. An unobstructed path of travel through a space in Group B, F and S occupancy greater than six feet (6') wide, which requires a minimum aisle width of 44 inches shall not require a fire rating.
6. In Group B, F and S buildings not exceeding six stories, a corridor within a tenant space with a smoke detection system installed per NFPA 72E shall not require a fire rating exit access corridor.
7. Fire rated reception room entry doors are not required when opening onto fire rated halls, corridors and exit access provided:

- a. Reception room is separated from the tenant space it serves by one-hour construction.
 - b. The reception room shall not exceed 250 square feet.
- 8. A glass wall forming a smoke partition may be used in lieu of a required one-hour, fire-resistant wall where the building is protected throughout by an electrically-supervised automatic sprinkler system and where automatic sprinklers are spaced six feet (6') or less along both sides of the separation wall and not more than one foot (1') away from the glass and so designed that the entire surface of the glass is wet upon activation of the sprinkler system. The glass shall be laminated safety glass and shall be in a gasketed metal frame so installed that the framing system may deflect without breaking the glass before the automatic sprinkler system operates. The doors shall be labeled as per Tables 715.4 and 715.5.4 or safety laminated glass with self-closing and latching hardware.

ADD A SIXTH EXCEPTION TO SECTION 1021.1 AS FOLLOWS:

6. Roof Deck Platform (RDP). - A single means of egress from a roof deck platform (RDP) shall be allowed when all of the following conditions exist:

a. Stairway: The stairway serving the RDP shall have a minimum of two-hour fire-resistance-rated enclosure with "B" labeled doors and frames. The stairway serving the RDP shall also have smoke detectors on the corridor side of each interior door to the stair.

b. Early Warning Detection Systems: An audible/visual device shall be installed to notify all the occupants on the RDP when activated by either smoke detectors or in the case of a building equipped with an automatic sprinkler system, water flow.

c. Emergency Lighting: Emergency lighting, exit lights and directional exit lights, if required by the building official shall be required.

d. Occupancy Load: The capacity of the RDP shall be calculated at 15 Sq. Ft. /Person and shall not exceed 50 persons. The maximum allowable occupancy load shall be posted on or adjacent to the exit.

e. Cooking Equipment: When cooking equipment is provided, it shall be located a minimum of ten feet from the stairway and it shall be located on a fixed non-combustible surface with at least three feet of clearance all around the cooking equipment.

f. Travel Distance: The travel distance from the most remote point of the RDP to the stair shall not exceed seventy-five (75) feet.

g. Size: The maximum allowable size of an RDP when served by a single stair is seven hundred and fifty (750) square feet.

DELETE SECTION 1210.5 ENTIRELY AND SUBSTITUTE THE FOLLOWING:

1210.5 Toilet Rooms. - Toilet rooms shall not open directly into a kitchen or room used for the preparation of food, and/or the serving and/or consumption of food, except for one and two family dwellings.

DELETE SECTION 1809.4 ENTIRELY AND SUBSTITUTE THE FOLLOWING:
(IN 2012 Edition)

1809.4 Depth Of Footings. - The minimum depth of footings below the undisturbed ground surface shall be 13 inches (331 mm). Where applicable, the depth of footings requirements in Sections 1809.5 shall also be satisfied. The minimum width of footings shall be 12 inches (305 mm).

AMEND THE HEADING FOR TABLE 2902.1 BY INCLUDING THE FOLLOWING

T.C.A. § 68-120-503 may require additional restroom facilities at certain locations open to the public and should be consulted.

DELETE “FOOTNOTE F” OF TABLE 2902.1 WITH NO REPLACEMENT.

DELETE SECTION 2902.3 “REQUIRED PUBLIC TOILET FACILITIES” AND SECTION 2902.6.1 “COVERED MALLS” IN THEIR ENTIRETY AND REPLACE THEM WITH THE FOLLOWING:

2902.3 Public (customer) Facilities. - Customers, patrons and visitors shall be provided with public toilet facilities in structures and tenant spaces intended for public use and utilized as restaurants, nightclubs, places of assembly, business and mercantile occupancies. Public (customer) toilet facilities shall be located on the same floor level, and the path of travel to such facilities shall not exceed a distance of 300 feet. When toilet facilities are located in individual stores, customers shall have direct access to facilities without having to pass through a stock room unless a clear designated path is provided, and that the individual store shall be required to have a drinking fountain in addition to minimum toilet facilities.

Exception: Mall Tenant Requirements:

1. Spaces under 1,000 square feet are not required to provide toilet facilities within the space if it is within 300 feet of central core facilities.
2. Spaces between 1,000 and 2,500 square feet are required to provide at least one handicap accessible, unisex, public restroom within the space.
3. Spaces over 2,500 square feet are required to provide a minimum of one men’s restroom and one women’s restroom. Restrooms are required to be handicap accessible public restrooms.
4. Anchor tenants are required to provide facilities to stand on their own.
5. Drinking fountains are required in any space which exceeds 1,000 square feet.

DELETE THE PHRASE “OR FROM THE EXTERIOR OF THE BUILDING” FROM SECTION 2902.3.1 SO THAT WHEN AMENDED IT SHALL READ AS FOLLOWS:

2902.3. 1. Access. The rout to the public toilet facilities required by Section 2903.2 shall not pass through kitchens, storage rooms or closets. Access to the required facilities shall be from within the building. All routs shall comply with the accessibility requirements of this code. The public shall have access to the required toilet facilities at all time that the building is occupied.

DELETE SECTIONS 2902.3.2 AND 2902.3.3 AND REPLACE THEM WITH THE NEW SECTIONS 2902.3.2 AND 2902.3.2.1AS FOLLOWS:

2902.3.2 Location Of Employee Toilet Facilities In Occupancies Other Than Assembly Or Mercantile. - Access to toilet facilities in occupancies other than mercantile and assembly occupancies shall be from within the employees' working area. The required toilet facilities shall be located on each floor of regular work area and the path of travel to such facilities shall not exceed a travel distance of 300 feet. Employee facilities shall be either separate facilities or combined employee and public facilities.

Exception: Facilities that are required for employees in factory, industrial, high hazard, warehouses and storage structures and that are located in adjacent structures under the same ownership, lease or control shall be a maximum travel distance of 500 feet from the employees' working area. Minimum facilities for office area shall be separate from these areas and determined as per Sections 2902.1 and 2902.3.

2902.3.2.1 Location Of Employee Toilet Facilities In Mercantile And Assembly Occupancies. - Employees shall be provided with toilet facilities in building and tenant spaces utilized as restaurants, nightclubs, places of public assembly and mercantile occupancies. The employee facilities shall be either separate facilities or combined employee and public facilities. The path of travel to required facilities shall not exceed a distance of 300 feet.

Exception: Employee toilet facilities shall not be required in tenant spaces of 1,000 square feet or less when the travel distance from the main entrance of the tenant space to a central toilet area does not exceed 300 feet. Such central toilet facilities shall be located on the same floor level as tenant space. Minimum facilities shall be divided equally on each floor.

ADD A NEW SECTION 2902.3.3 ENTITLED LOCATION OF FACILITIES IN COVERED MALLS AS FOLLOWS:

2902.3.3 Location of Facilities In Covered Malls. In covered malls the required toilet facilities shall meet the requirements of Table 2902.1. The maximum travel distance of 300' to the central toilet facilities in covered malls shall be measured from the main entrance of any store or tenant space. In covered mall buildings, where employees' toilet facilities are not provided in the individual store, the maximum travel distance of 300' shall be measured from the employees' work area of the store or tenant space

Exception: Mall Tenant Requirements:

1. Spaces under 1,000 square feet are not required to provide toilet facilities within the space if it is within 300 feet of central core facilities.
2. Spaces between 1,000 and 2,500 square feet are required to provide at least one handicap accessible, unisex, public restroom within the space.
3. Spaces over 2,500 square feet are required to provide a minimum of one men's restroom and one women's restroom. Restrooms are required to be handicap accessible public restrooms.
4. Anchor tenants are required to provide facilities to stand on their own.
5. Drinking fountains are required in any space which exceeds 1,000 square feet.

ADD SECTION 2902.3.3.1 THROUGH 2902.3.3.3 AS FOLLOWS:

2902.3.3.1 Food Courts Inside Covered Malls. - Food courts located inside covered malls are not required to have minimum toilet facilities for employees or customers, provided that travel distance from the food court area meets Section 403.6 (2902.3) of this Code.

2902.3.3.2 Restaurants And Nightclubs Inside Covered Malls. - Restaurants and nightclubs located inside covered malls shall have separate facilities located inside of the restaurant or nightclub. Minimum facilities shall be determined by Table 403.1 of this Code.

2902.3.3.3 Portable Food Carts. - Portable food carts may be used inside covered malls or other places of business provided that size of portable food cart is no larger than 4 feet by 6 feet with wheels and that it can be moved by one person. Portable food carts with self-contained plumbing shall meet the requirements of the Health Official. The water for storage tanks shall be from a potable source. The wastewater in tank shall be emptied into the nearest service sink.

ADD SECTION 2902.5 “LOCATION OF EMPLOYEE TOILET FACILITIES IN OCCUPANCIES OTHER THAN ASSEMBLY AND MERCANTILE ”AS FOLLOWS:

Section 2902.5 Location Of Employee Toilet Facilities In Occupancies Other Than Assembly Or Mercantile. – Access to toilet facilities in occupancies other than mercantile and assembly occupancies shall be from within the employees’ working area. The required toilet facilities shall be located on each floor of regular work area and the path of travel to such facilities shall not exceed at travel distance of 300 feet. Employee facilities shall be either separate facilities or combined employee and public facilities.

EXCEPTION: Facilities that are required for employees in factories, industrial, high hazard, warehouses and storage structure and are allocated in adjacent structures under the same ownership, lease or control shall be a maximum travel distance of 500 feet from the employees’ working area. Minimum facilities for office area shall be separate from these areas and determined as per Section 2902.2 and 2902.3

ADD SECTION 2902.6 “LOCATION OF EMPLOYEE TOILET FACILITIES IN MERCANTILE AND ASSEMBLY OCCUPANCIES” AS FOLLOWS:

2902.6 Location Of Employee Toilet Facilities In Mercantile And Assembly Occupancies. – Employees shall be provided with toilet facilities in building and tenant spaces utilized as restaurants, nightclubs, place of public assembly and mercantile occupancies. The employee facilities shall be either separate facilities or combined employee and public facilities. The path of travel to required facilities shall not exceed a distance of 300 feet.

EXCEPTION: Employee toilet facilities shall not be required in tenant spaces of 1,000 square feet or less where the travel distance from the main entrance of the tenant space to a central toilet area does not exceed 300 feet and such central toilet facilities are located on the same floor level as tenant space. Minimum facilities shall be divided equally on each floor.

ADD SECTION 2902.7 THROUGH 2902.10 AS FOLLOWS:

2902.7 Multi-Tenant Office Buildings. - Common core toilet facilities (separate for males and females) are required for each floor at a rate to be determined by Table 403.1 Business Occupancies. When tenancies, rental units, etc. are to be provided with separate facilities, such facilities are not deductible from the total common core facilities required.

2902.8 Portable Classrooms. - Portable classrooms that cannot be feasibly connected to the sanitary sewer system shall be located within 300 feet of adequate facilities within the main building, and shall be connected to the main building by a covered walk.

2902.9 Mezzanines. - Mezzanines intended for human occupancy with office spaces or daily work spaces shall be provided with adequate restroom facilities at that level within a travel distance of 300 feet.

2902.10 Self-Storage Facilities (mini-warehouse) Complex. - In self-storage (mini-warehouse) complex, facilities shall not be located in each building, but shall be located at the office or entrance, and such that the Code Official determines the intent of the Code has been met.

AMEND THE TITLE OF CHAPTER 30 AS FOLLOWS:

Elevator, Dumbwaiters, Escalators, Moving Walks, And Amusements Devices

AMEND SECTION 3001.1 AS FOLLOWS:

3001.1 Scope. – The provisions of the Technical Codes shall govern the design, construction, installation, alteration, operation, inspection, maintenance, testing and safety requirements of elevators, escalators, dumbwaiters, moving walks, amusement devices, chair lifts and automatic transfer devices and repair of elevators. Wherever there is a conflict between the Technical Codes and any other construction code or standard, the Technical Codes shall prevail.

3001.2 Referenced Standards. – Except as otherwise provided for in this code, the design, construction installation, alteration, repair and maintenance of elevator and conveying systems, their components shall conform to ASME A17.1 and ASCE 24 for construction in flood hazard areas established in Section 1612.3.

3001.3 Accessibility – Passenger elevators required to be accessible by Chapter 11 shall conform to the standards established there in by reference to the ASNI 117.1 code.

3001.4 Change In Use. – A change in the use of an elevator from freight to passenger, passenger to freight, or from one freight class to another freight class shall comply with ASME A17.1.

ADD NEW SECTIONS 3001.5, 3001.5.1, 3001.5.2, 3001.5.3, AND 3001.5.4 AS FOLLOWS

3001.5 Fire Protection. – The installation of elevators shall comply with NFPA/ANSI Rules and Regulations, the National Electric Code and Supplemental Fire Suppression Rules listed below. (ALSO See below DIAGRAM Chapter 30 – 1 entitled Shunt Trip Requirements for Elevator Equipment Room & Hoistway)

3001.5.1 Installation Of Smoke Detectors. – ASME/ANSI A17.1 requires smoke detectors shall be installed in each Elevator Lobby, at each floor, and each associated elevator Machine Room. A smoke detector shall be installed in sprinkled hoistways to comply with ANSI 2.27.3.2.

3001.5.2 Power Supply For Smoke Detectors. - The smoke detectors installed at the locations listed in Section 3001.5.1 shall be supplied power from a supervised circuit and wired in such a manner that, upon activation of a detector, Phase I operation, as defined by N.F.P.A. 72(e), Chapter 4 and 2.27.3.2 of ANSI, will be initiated and return all cars to the designated level.

3001.5.3 Heat Detectors. – Heat detectors shall be located adjacent to each sprinkler head in the Machine Room and Hoistway and shall be supplied by a supervised circuit from the Fire Alarm Panel .

3001.5.4 Operational Sequence. The system describe above shall operate in the following manner:

1. The smoke detector shall furnish the signal through the fire alarm control panel to the elevator controller to initiate Phase I elevator recall

The heat detector shall furnish a signal to the fire alarm control panel, which shall be programmed to operate the shunt trip supplying the elevator controller. The shunt trip shall be located outside the elevator machine room.

Exception: A shunt trip that is an integral part of an elevator disconnecting means with a NEMA-Type 3R or 4 enclosure may be located in the elevator machine room. Other enclosure types may be permitted with prior approval of the Building Official.

ADD SECTION 3001.5.5 AS FOLLOWS:

3001.5.5 Transfer Device. – Whenever the term “transfer device(s)” is used in the Technical Codes, the meaning of the term shall include elevators, escalators, dumbwaiters, moving walks, stairlifts, chairlifts and automatic transfer devices.

EDITORIAL CORRECTION

The sections now numbered 3009 to 3015 of the Code were incorrectly numbered in the adopting ordinances. Changes to their numbering have been made to correct that error.

ADD SECTION 3009 AS FOLLOWS:

3009 Installing Agency And Enforcement

3009.1 Qualified Installing Agency. – Installation, replacement, and repair of transfer devices within the meaning of the Technical Codes is to be performed only by a qualified, licensed and registered entity. By the term “qualified, licensed, and registered” entity: it is meant any individual, firm, corporation, or company which is engaged in and is responsible for the installation, replacement, or repair of elevators, escalators, dumbwaiters, moving walks, amusement devices, stairlifts, chair lifts, and material lifts and who is experienced in such work, familiar with all precautions required, and has complied with all the requirements of the MSCCCE and the Technical Codes.

3009.2 Building Official, Deputies, And Special Inspectors

3009.2.1 Experience Required. – The Building Official and assistants as may be necessary in the proper performance of the duties of the office shall be appointed by the administrator of the Memphis and Shelby County Construction Code Enforcement (MSCCCE). Any assistants assigned to perform inspections under the Technical Codes shall be licensed elevator inspectors or have had at least 5 years practical experience as a mechanical engineer or in the elevator industry in the erection, operation, installation, or repair of such machinery or equipment.

3009.2.2 Transfer Device Reports. - The Building Official and/or licensed assistant inspector shall make inspections of all transfer devices as provided for in this Chapter. They shall make daily, monthly and annual reports as may be required by the MSCCCE.

3009.3 Inspectors License

3009.3.1 Requirements. - A licensed transfer device inspector must be an employee of the Memphis and Shelby County Office of Construction Code Enforcement, and such person has satisfied the Mechanical Board that he/she has had the experience required by Section 3007.2.1 and has passed a written examination given by the Board testing his knowledge of the Technical Codes or has passed the ASME QEI test for Elevator Inspectors. Anyone holding a license as an inspector from a state or local governmental entity that has a qualification standard and examination standard substantially equal to that provided for within this Section may conduct inspections authorized by the Building Official or his authorized assistants.

3009.4 Inspection Reports

3007.4.1 Time For Report. – A report of required inspection shall be filed with the Building Official by the inspector who performs the inspections on a form approved by the Building Official, within 20 days after the inspection or test has been completed. This filing requirement shall apply to inspections made by a licensed inspector of a duly accredited insurance company, which is the primary insurer of the conveyance.

3009.4.2 Information Required In Report. – The report shall include all information required by the Office of Construction Code Enforcement to determine whether the transfer device is in a safe operating condition, and whether the owner or lessee of the transfer device has complied with the rules and regulations applicable under the provisions of the Technical Codes. In addition, the reports shall indicate whether the transfer device has been installed in accordance with the construction permit issued under the Technical Codes and meets the requirements of the applicable rules of the Elevator and Safety Code.

3009.5 Guide For Inspections And Tests. - The American National Safety Code for the Inspection of Elevators and Escalators, Moving Walks – ASME A17.2-2010, is hereby adopted as a guide for making the inspection and test required by the Technical Codes. Upon completion of all tests, the person or entity conducting the tests shall attach a metal tag to the transfer device, which shows the name of the person, or entity, which conducted the tests and the month and year that such test were performed.

ADD SECTION 3010 AS FOLLOWS:

3010 Permits

3010.1 Construction Permits For Elevators, Dumbwaiters, Escalators, Moving Walks, Stairlifts, Chair Lifts And Material Lifts.

3010.1.1 Permits. – A construction permit shall be obtained from the Memphis and Shelby County Construction Code Enforcement (MSCCCE) before erecting new transfer devices, moving apparatus from one hoistway to another, or before making alterations to existing equipment. The owner, or his authorized agent, shall submit an application for such permit accompanied by plans and specifications as set forth Section 104.2. If plans and specifications indicate compliance with the technical Codes, the Building Official shall issue a construction

permit. No permit shall be required for repairs and replacements normally necessary for maintenance and made with parts of equivalent materials, strength and design.

3010.1.2 Permits For Repairs. – Construction permits are required for any alterations covered by Section 8.7, ASME A17.1-2010 of the Elevator Safety Code. A permit is required for the replacement of hydraulic casings and plungers, and hydraulic valves and pumps. A permit is required for the replacement of hoisting cables and governor cables and compensating cables or chains.

3010.2 Operating Certificates. - No commercial elevator or any other transfer device, as defined in Section 3001 shall be operated by the owner or lessee thereof, unless an operating permit has been issued pursuant to the Technical Codes; however, no operating certificate shall be required for transfer devices, owned, and operated by United States Government.

3010.3 Issuance of Operating Certificates

3010.3.1 Time For Final Inspection Report For New Commercial Transfer Devices. – A report of required final inspection shall be filed with the Building Official by the inspector who performs the inspections on a form approved by the Building Official, within 20 days after the inspection or test has been completed. This filing requirement shall apply to inspections made by an authorized licensed inspector of a duly accredited insurance company, which is primary insurer of the conveyance.

3010.3.2 Information Required In Report. - The final inspection report shall include all information required by the Office of Construction Code Enforcement to determine whether the transfer device is in a safe operating condition and whether the owner or lessee of the transfer device has complied with the rules and regulations applicable under the provisions of the Technical Codes. In addition, the report shall indicate whether the transfer device has been installed in accordance with the construction permit issued under the Technical Code and meets the requirements of the applicable rules of the Elevator and Safety Codes. Upon filing a report showing such compliance, a operating certificate shall be issued which shall be good for one year.

3010.3.3 Compliance Notice. – If the inspection report required by above indicated failure of compliance with the applicable requirements of the Technical Codes, or with the detailed plans and specifications approved by the Building Official under 3008.1, the Building Official shall give notice to the owner or lessee, or the person filing such plans and specifications, of changes necessary for compliance therewith. After such changes have been made, the Building Official shall issue an operating certificate.

3010.3.4 Renewing Operation Certificates. – Operating certificates shall be renewed semi-annually by the MSCCCE, to the owner or lessee of every new and existing commercial transfer device when the inspection report indicates compliance with the Technical Codes. No certificates shall be issued if the required fees have not been paid. Time limits shall be 30 days for existing transfer devices, and 3 days for new transfer devices, after the required date for filing the inspection report required by Section 3008.3.1, unless such time limit is extended by the Building Official.

3010.4 Posting. - The certificate required by this Chapter shall be posted in a conspicuous location in the transfer device car or cage, or on the platform, on or near the transfer device, or available at the onsite Building Manager's office.

3010.5 Reserved

3010.6 Limited Permits

3010.6.1 Temporary Use. – The Building Official may permit the temporary use of any transfer device for freight service during its installation or alteration, or for use in construction, under the authority of a limited operating permit issued by him for each class of service. In the case of elevators, such limited permit shall not be issued until the elevator shall have been tested under contract load, and the car safety stopping equipment has been tested to determine the safety of the equipment for construction purposes, and until permanent or temporary guards or enclosures are placed on the car and around the hoistway at the landing entrances on each floor. Landing entrance guards shall be provided with locks that can be released from the hoistway side only. Automatic and continuous-pressure elevators shall not be placed in temporary operation from the landing push buttons. An operator shall be on any elevator being operated under the authority of a limited operating permit during all times of operation.

3010.6.2 Fees. – Limited permits shall be issued for a period not to exceed 30 days at a fee rate of \$100.00. It can be renewed every 30 days for a fee of \$100.00 for each additional 30 days. Payment to be made before permit is finalized.

3010.6.3 Posting Permits. – Where a limited permit is issued, a notice bearing the information that the equipment has not been finally approved shall be conspicuously posted on or near each entrance to such transfer device in a place where it is clearly visible at each entrance of the transfer device.

3010.7 Guide For Inspections And Tests. – The American National Safety Code for the Inspection of Elevators and Escalators, Moving Walks – ASME A17.2-2010, is hereby adopted as a guide for making the inspection and test required by the Technical Codes. Upon completion of all tests, the person or entity conducting the test shall attach a metal tag to the transfer device which shows the name of the person or entity which conducted the test and the month and year that such tests were performed.

ADD SECTION 3011 AS FOLLOWS:

3011 Supervisor, Responsibility, Accidents And Insurance

3011.1 Supervision Of Installation, Relocation, Alteration Or Repair Of Equipment. - The installation, relocation, alteration or repair of all transfer devices must be performed by a properly licensed and registered transfer device contractor registered with the MSCCCE.

3011.2 Responsibility Of Person Installing, Relocating, Or Altering Equipment. The person or firm installing, relocating, or altering a transfer device shall be responsible for its operation and maintenance until the operating certificate therefore has been issued by the Building Official, except during the period when any limited operating permit, as defined in Section 3008.6 shall be in effect, and shall also be responsible for all tests of new, relocated, and altered equipment until the operating certificate therefore has been issued by the Building Official.

3011.3 Elevator, Dumbwaiter, Escalator, Moving Walk, Stairlift, Chair Lift And Material Lift Accidents

3011.3.1 Accident Notification. – The owner of a transfer device, or his duly authorized

agent, shall immediately notify the Building Official of each and every accident involving:

1. A person requiring the service of a physician; or
2. Damage which results in disability of the transfer or amusement device exceeding one day; and shall provide the Building Official access to every facility and cooperate fully in investigating and inspecting such accident or damage.

The Building Official shall, without delay, after being notified, make an investigation and shall place on file a full and complete report of such accident.

3011.3.2 Accident Report. – Such report shall give in detail all material facts and information available, and the cause or causes so far as they can be determined, which shall be open to the public for inspection at all reasonable hours. When an accident involves the failure or destruction of any part of the construction or the operation mechanism of such a device, the use of such device is forbidden until it has been made safe, and until it has been re-inspected and any repairs, changes, or alteration have been approved by the Building Official, and a permit in such form as the Building Official may prescribe has been issued by the MSCCCE. The removal of any part of the damaged construction or operating mechanism from the premises is forbidden until permission to do so has been granted by the Building Official.

ADD SECTION 3012 AS FOLLOWS:

3012 Safety and Equipment Requirements

3012.1 Generally. - The requirements of the Code adopted by Section 3010.1 shall apply to all installations of transfer devices, as hereinafter specified, and except as otherwise provided in the Chapter.

3012.2 New Installations. - All new transfer devices shall be designed and installed in accordance with the requirements of the Elevator Safety Code – A17.1, 2010 Edition plus Addendums, A18.1 2008 Edition, and Handicap Ordinances for wheelchair and stair lifts.

3012.3 Relocations. - All relocation of transfer devices made after January 1, 1961, shall meet the requirements of the Elevator Safety Code.

3012.7 Repairs and Replacements. - Repairs and replacements of damaged, broken or worn parts shall conform to the requirements of Part 8.6 of the Elevator Safety Code.

3012.9 Existing Installations. - Existing transfer devices, legally installed before January 1, 1961, may be used without being reconstructed to comply with the requirements of the Elevator Safety Code, except as such rules of the Code specifically refer to such installations.

3012.10 Alterations Generally. - Existing installations may be altered to obtain the advantage of any provisions of the Elevator Safety Code, provided the safety requirements covering such provision are met. Alterations of existing installations shall conform to Part 8, Section 8.7 of such Code, or to the following exception:

3012.10.1 – Existing Freight Elevator Gates. - Hoistway gates for freight elevators in existing buildings may be five feet six inches high (5' 6") with maximum two-inch (2") openings, if approved by the Building Official.

3012.10.2 Major Combination Of Alterations. – When any combination of alterations or changes is made, constituting more than 50% of the cost of the installation of a new elevator or hoistway construction, as determined by the Office of Construction Code Enforcement, the entire installation shall conform to the requirements of the Elevator Safety Code A 17.1, 2010 Edition.

3012.10.3 Repairs And Replacements. – Repairs and replacement of damage, broken or worn parts shall conform to the requirements of Part 8.6 of the Elevator Safety Code.

3012.11 Maintenance In Safe Operating Condition

3012.11.1 Responsibility Of Owner. – Every transfer device shall be maintained by the owner or lessee in a safe operating condition so that it conforms to the provision of this Chapter.

3012.11.2 Proper Maintenance. – The owner, or his duly appointed agent, shall be responsible for the safe operation and proper maintenance of a transfer device after the operating certificate has been issued by the MSCCCE, and also during the period of effectiveness of any limited operating permit as defined in Section 3008.6.2. The owner shall also be responsible for making all initial and periodic tests required by this Chapter.

3012.12 Portable Hoists For Elevators And Dumbwaiters Prohibited. No portable power chain or cable hoist shall be installed to raise or lower an elevator car or platform, or dumbwaiter car or platform.

ADD SECTION 3013 AS FOLLOWS:

3013 Special Provisions For Amusement Services

3013.1 Visual Inspections. - MSCCCE inspection of amusement rides shall consist of a visual inspection of fencing, entrances, exits, lap bars, seat belts and blocking. In addition, a visual inspection of the assembly of the ride shall be made to ensure all bolts, nuts and cotter pins are properly installed.

3013.1.1 Technical Information. – Providing all Technical Information and conducting all testing required by manufacturer is the responsibility of the amusement device owner. This information shall be presented to MSCCCE before the operation of the amusement device. A daily maintenance and safety check shall be available upon request by MSCCCE.

3013.2 Amusement Device Operator. - Amusement devices shall be in the charge of competent persons of sound mind who shall have attained the age of 18 years.

3013.3 Inspection Of Amusement Devices. - Amusement devices shall be inspected before the season or engagement period opens and/or at least once a year.

ADD SECTION 3014 AS FOLLOWS:

3014 Penalty For Violations

3014.1 Suspension Of Operations. – The Building Official is authorized to order the suspension of operation of any transfer device for which a certificate is required, but has not been issued, or which upon inspection, shall be found defective or in such condition as to endanger life or

property. In all cases where such a suspension is made, a notice shall be attached to the transfer device suspended of operation by the Building Official, or one of his assistants, together with the reason or reasons for suspension. Additionally it shall be unlawful for any person to remove said notice or resume use of said transfer device without authorization by the Building Official, or one of his assistants, and such transfer device shall not be put into service or used until the Building Official has attached his certificate of approval in lieu of his prior suspension notice.

3014.2 Penalties. – A violation of the provision of this chapter shall be violation of this Code and subject to all other penalties proscribed herein.

ADD SECTION 3015 AS FOLLOWS:

3015 Fees

3015.1 Transfer Devices. - For the installation of transfer devices, the fee shall be set forth in the Building Permit, Plans and Inspection Fees Schedule.

3015.2 Operating Certificates, Semi-annual Renewal. - The operating certificates for all commercial elevators, escalators, dumb waiters, moving walks, chair lifts and material lifts shall be renewed semi-annually. The fees shall be as set forth in the building permit, plans and inspection fee schedule.

ADD SECTION 3303.7 THROUGH 3303.19AS FOLLOWS:

3303.7 Demolition Of Buildings

3303.7.1 Demolition Permits. – The standards set forth in this section shall apply to the demolition of buildings or structures for which a permit is required under Section 105 of the Technical Codes.

3303.8 Definition. Demolition – the act of razing, dismantling, or removal of a building or structure, or portion thereof to the ground level.

3303.9 Time Limit. Notwithstanding the provision of Section 104.6, the Building Official may impose a time limit as an additional condition of a permit for completion of demolition work once such work shall have commenced. The Building Official may also provide one or more extensions of time with such extensions granted in no more than 30 day intervals, upon written request by the contractor or owner conducting the demolition when good cause is present. Any extension shall only be granted in writing.

3303.10 Standards

3303.10.1 Limit Unsafe Working Conditions. – Demolition work having commenced shall be pursued diligently and without unreasonable interruption with due regard to safety. It is the intent of this section to limit the existence of an unsafe condition or nuisance on the premises during the period of demolition operations.

3303.10.2 Fill Lot To Grade. - Any surface holes or irregularities, wells, septic tanks, non-petroleum underground storage tanks, basements, cellars, sidewalk vaults, or coal chutes remaining after demolition of any building or structure shall be filled with material as approved

by the Building Official, and shall be graded in such manner that will provide effective surface drainage.

3303.10.3 Remove Debris. – All debris and accumulation of material resulting from demolition of any building or structure shall be removed from the premises.

3303.10.4 Seal Sewer Pipes. – All building sanitary sewers shall be effectively plugged with concrete 18 inches below grade or as may be required by the Building Official.

3303.10.5 Dust Control – Except where there is adequate space, or approval has been granted by the Building Official, the demolition of a multi-story building by other than explosive means shall proceed with the complete removal of one story at a time. In the demolition of any building other than by explosive means, story after story shall be removed and shall be properly wet to alleviate any dust.

3303.10.6 Proper Demolition Procedures – No wall, chimney, or other construction shall be allowed to fall in mass on an upper floor. Bulky material, such as beams and columns, shall be lowered and not allowed to fall. When any building over one story in height is demolished, precautions for protecting the public shall be taken as prescribed in Chapter 33.

3303.11 Inspections. In lieu of the inspections required by Section 109, the Building Official shall make the following inspections upon notification from the permit holder or his agent:

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1. Initial Inspection: To be made after all utility connections have been disconnected and secured in such manner that no unsafe or unsanitary conditions shall exist during or remain after demolition operations.
2. Final Inspections: To be made after all demolition work is completed.

3303.12 Permits

3303.12.1 Required – No person, firm or corporation shall wreck, demolish, or raze any building or structure within Memphis and Shelby County without first obtaining a permit therefore from the MSCCCE. Such permit shall be issued only to a person, firm or corporation licensed as a demolition contractor in accordance with the provisions of the Technical Codes.

Exception: A permit may be issued to the property owner of record for demolition of his own residential building if such building is not more than two stories in height and contains not more than 5,000 square feet per floor. The property owner shall be required to make affidavit in his application for permit that he shall personally supervise all demolition and clean up of the site for which the permit was issued.

3303.12.2 Application For Permit – Application for demolition permit shall be made by the owner of the building or structure, or authorized agent of the owner, or by a licensed demolition contractor employed by the owner. The full names and addresses of the owner, applicant, and responsible officers, if the owner is a corporate body, shall be stated, and the application shall be signed by the owner and the demolition contractor. In the case of all commercial buildings, or residential buildings being razed by a contractor for the development of commercial property, notice from the Shelby County Health Department that a “Ten Day Asbestos Notice” has been filed with that Department’s Pollution Control Section is also required.

3303.12.2.1 Pre-Demolition Survey – For any demolition project, not ordered by a governmental entity, which will involve the demolition of a building or structure of more than two million cubic feet (2,000,00 cu. ft.), a pre-demolition survey shall be prepared by a knowledgeable individual or firm and submitted with the application for a demolition permit. The survey shall be on a form as shown at the end of this chapter.

3303.12.2.2 Other Requirements For Large Demolition Projects – For all projects which must file a pre-demolition survey, the following additional requirements must also be met. Bills of lading or other appropriate shipping documents shall be used for off-site shipment of debris generated by the demolition process. They shall identify the person or firm transporting the waste from the site, the type and estimate amount of the waste removed and the site to which it was taken. Copies of the shipping documents used by the contractor shall be maintained by the demolition contractor while it is present on-site. These shipping documents shall be maintained for a period of six months after the demolition contractor completes the demolition project at their principal office and shall be made available to the Department upon request. Within three months of the work being completed the contractor shall confirm to the Department that the information on the survey was followed based on his regular monitoring of the demolition process and the survey requirements when the plan was in place. The contractor will, if needed, also explain any deviation from the plan.

3303.12.3 Approval Of Permit – The Building Official shall cause to be examined all applications for permit within a reasonable time after filing. If the proposed work conforms to the requirements of this Section, regarding proof of liability insurance and posting of necessary deposit and when necessary, filing of a pre-demolition survey, the Building Official shall issue a permit therefore as soon as practical. Each permit to raze a building shall name the owner of the property to be razed and the person performing the razing work for or on behalf of such owner, and such permit shall be valid only so long as the razing work authorized by it is actually performed by or under the supervision of the person named thereon as being the person to perform such work. It shall be a violation of this code for any person to perform work in connection with the razing of a building under the purported authority of a permit, which does not name them as the person to perform such work.

3303.12.4 Time Limitations – Each permit shall set forth a definite number of days in which demolition work shall be completed and the premises cleaned as required hereinafter. An extension of time may be granted by the Building Official for good cause.

3303.12.5 Service Connections – Before a structure can be demolished or removed, the owner or agent shall notify all utilities having service connections within the structure such as water, electric, gas, sewer, and other connections. A permit to demolish or remove a structure shall not be issued until a release is obtained from the utilities stating that their respective service connections and appurtenant equipment have been removed and plugged in a safe manner. Sewer lines shall be capped in an approved manner, approximately 18 inches below grade, by the demolition contractor. A capped sewer line shall not be covered until it has been inspected. If covered, the contractor shall expose the cap for inspection.

3303.13 Safeguards During Demolition

3301.13.1 Roof Covering – During the demolition of any building exceeding one story in height that is located at a distance less than 10 feet, or less than ¼ of the height of the building, from any street or alley property line, or when required by the Building Official, a roof covering for the entire length of the project shall be provided over the temporary or permanent

sidewalk, from the time demolition commences above the second floor level until materials are no longer being used or handled on the front above such walk. Where required for demolition operation, the passageway shall be covered with an enclosed canopy or shed the width of the passageway with a head clearance of not less than 7 feet. The support shall be four-inch by six-inch (4" x 6") timbers, with beams of three-inch by twelve-inch (3" x 12") timbers on centers of not over four feet (4'), and such shed shall be roofed with two layers of sound two-inch (2") planks; however, other construction of equal strength may be used when approved by the Building Official. The sides shall be enclosed with tight, smooth sheathing and such covered walks shall be suitably lighted with necessary.

Exception: Where, in the opinion of the Building Official, a covered walk is not necessary, permission may be granted to block off part of the sidewalk, street or alley with the approval of the traffic engineer.

3303.13.2 Fence – Where the distance from the building to the street or alley property line is less than half the height of the building, a fence of solid construction at least six feet high shall be provided.

3303.14 Sidewalk Access. Areas occupied by a sidewalk or temporary walkway in use shall not be excavated unless such area is provided with a walkway capable of supporting at least 150 pounds per square foot. Walkways shall be provided with suitable ramps at each end.

3303.15 Method Of Razing

3303.15.1 Required To Start At Top – Razing, by other than explosive means, shall begin at the top of the structure and proceed downward. No wall, beam, column, or member supporting a load shall be disturbed or weakened until such load is entirely removed. All masonry walls shall be removed unit by unit or in the manner approved by the Building Official. All loosened materials and debris shall be removed from time-to-time so as not to accumulate in such quantity or in such weight as may overload any floor, platform, or scaffold. Plain or reinforced concrete structures shall be razed in such sections and in such manner as approved by the Building Official.

3303.15.2 Prohibitions – No structure or portion thereof being demolished or declared to be dangerous or unsafe shall be thrown, pulled or blasted, unless special approval is given by the Building Official.

3303.15.3 Control Of Dust – All material and rubbish apt to produce dust must be kept wet or covered to prevent its being blown by the wind.

3303.15.4 Approval Of Debris Disposal – All demolition debris, which is not being reused or recycled, must be disposed of in a place approved by the governing authority. Materials to be recycled or reused that are stored on-site during demolition activities shall be managed and stored so as not to pose a danger to workers on the site or to the general public.

3303.16 Treatment Of Party Walls

3303.16.1 Masonry Walls – When any building or other structures is demolished so as to expose any party wall which forms a part of the building or other structure upon which any of the aforesaid operations are being performed, the permit holder shall repair and restore any flashing and other weatherproofing of adjoining property which is broken or damaged during

such operations, and shall fill from the exposed side of such party wall any and all holes. For purposed of this section, a “party wall” is a dividing partition between two adjoining buildings (or units) that is shared by the tenants of each residence or business. The permit holder shall also install such new flashing as may be required to protect any vertical joints exposed by the permitted demolition operations.

3303.16.2 Non-Masonry Walls – Where party walls are of other than masonry construction, such walls shall be restored and weather proofed in accordance with the requirements of the building code for exterior walls of the particular type of construction involved. All such party walls shall be faced with material commonly used, or exterior finish identical to, or as closely resembling as practicable, the facing material of the other exterior walls of the building left standing, and shall be painted or otherwise finished in a manner similar to other parts of the building.

3303.17 Protection For Open Pits and Holes. - Demolition shall be properly protected with barricades and warning lights, as directed by the Building Official, until such time as they can be properly filled to grade. All excess materials, rubbish, and debris shall be removed from the premises.

3303.18 Treatment Of Lot After Building Demolished Or Removed

3303.18.1 Leveling – When a structure or building is demolished or removed, all walls, except party walls, including foundations and basement walls located on the lot involved in razing operation, shall be reduced to a level at least 18 inches (46 cm) below the final grade. Excavations, holes, and depressions shall be filled and leveled to provide a final grade, which will affect good drainage. The finished surface of the lot shall be free of holes and depressions, which could accumulate water or be hazardous to pedestrians. All grade slabs shall be removed from the site.

3303.18.2 Fill – No materials other than clean earth, broken masonry, tile, plaster, or concrete may be used in filling depressions and grading the site. All excess earth, brick, lumber, and other building materials and debris shall be removed from the site, and the premises shall be left in a safe, clean, and sanitary condition.

3303.19 Failure To Clean Premises. - Failure of a person, firm, or corporation to comply with the provisions dealing with the cleaning of premises shall be sufficient cause to withhold a demolition contractor’s privilege of obtaining demolition permits until there has been compliance with the cleaning provisions. Repeated failure to properly clean premises shall be cause for suspension or revocation of a contractor’s license.

ADD SECTION 3306.8.1 AS FOLLOWS:

3306.8 Repair, Maintenance And Removal

3306.8.1 Cleaning Of Sidewalks And Streets. - During construction, it shall be the duty of the owner and/or his contractor to keep all debris, including dirt and mud, off of the public property (sidewalks and street, etc.) except for normal debris. This Section may be partially or totally waived by the Building Official when the approved plans require encroachment on public property during construction. The owner or his agent, upon the completion of the building, shall immediately remove all walkways, debris, and all other obstruction and leave such public property in as good a condition as it was before such work was commenced.

Demolition Waste Recycling Survey

This survey must be completed and filed with the Memphis and Shelby County Office of Construction Code Enforcement with any permit for a demolition project which involves the demolition of a single building with more than two million cubic feet (2,000,00 cu. ft.).

1 Client's name and contact information:

Name: _____

Address: _____

Phone Number: (____) _____

2. Name of Principal Contractor and Contact Information

Name: _____

Address: _____

Phone Number: (____) _____

3. Name of Principal Demolition Contractor and Contact Information (if different from item #2)

Name: _____

Address: _____

Phone Number: (____) _____

4. Name of Person or Firm Drafting Survey

Name: _____

Address: _____

Phone Number: (____) _____

5. Location of Demolition Site

Address: _____

Phone Number: (____) _____

6. Estimated Demolition Costs: _____

7. Describe any decision taken on the nature of the project, its design, construction method or material employed in order to minimize the quantity of waste produced on-site by demolition activities.

8. Describe how sub-contractors will implement the demolition methods and waste management procedures established by the principal demolition contractor or the principal contractor. (Examples of contract clauses describing these requirements to be supplied, if available.)

9. Prepare and submit a pre-demolition survey which estimates

- (i) Each waste type to be produced in the course of the project
- (ii) The estimated quantity of each waste type identified above

10. Identify the waste management action proposed for each different waste type, including where applicable, reusing, recycling, recovery and disposal.

The owner and the principal contractor will take all reasonable steps to ensure all waste from the demolition site will be properly reused, recycled, reclaimed or disposed of and if disposed of at a landfill, the waste disposal facility utilized will be properly licensed by the State or Federal environmental agency responsible for the licensing and permitting of such facilities.

DELETE THE WORDS “INTERNATIONAL PROPERTY MAINTENANCE CODE,” AND “INTERNATIONAL PRIVATE SEWAGE DISPOSAL CODE,” IN SECTION 3401.3.

AMEND SECTION 3401.5 BY ADDING A SENTENCE AT THE END OF THE SECTION AS FOLLOWS:

Mixing of provisions of IEBC and IBC shall not be permitted.

DELETE SECTION 3410 ENTIRELY AND SUBSTITUTE THE FOLLOWING:

3410 Moving Of Building Or Structures

3410.1 License. - Except as hereinafter provided, it shall be unlawful for any person, firm or corporation to move a building, structure (including tanks) or part of a building in excess of 8 ft. 6 in. wide and 13 ft. 6 in high through or across any sidewalk, street, alley or highway, exclusive of the Interstate Highway System, within Shelby County and passing through or terminating within Shelby County, unless such person, firm or corporation has been issued a Building Mover License and a permit by the Building Official.

3410.2 Application For License. - Application shall be submitted in writing on such form as the Building official may prescribe which shall show the training, experience, and qualifications of the applicant in the moving of buildings or structures. Each application shall be accompanied by a fee of \$75; proof of a minimum of one-year experience in moving of buildings or structures; proof of liability insurance coverage specifically for purposes of moving buildings or structures; and proof of compliance with the Memphis and Shelby County Business License requirements.

3410.3 Issuance. - It shall be the duty of the Building Official to review each application within 30 days of receipt of same to issue a license to any applicant demonstrating compliance with the requirements and provisions of the Technical Codes.

3410.4 Expiration. - All licenses shall expire on June 30 of each year. If not renewed by such date, it shall be unlawful for licensee to move any building tank or structure within Shelby County.

3410.5 Suspensions And Revocations. - The Building Official shall be empowered to refuse to grant, to suspend, or to revoke any license when he finds that such licensee has violated, refused, or neglected to observe any of the proper orders and regulations of the Building Official or has willfully and persistently violated any Construction Code of Memphis and Shelby County or law of the State of Tennessee relative to the moving of buildings. Before such revocation, the licensee shall have been informed of the charges against him/her, shall have been given 10 days written notice of the hearing at which the charges will be considered, and shall have been given an opportunity to be heard in his own defense. All subsequent suspensions and revocations may be indeterminate and dependent upon correction of an existing violation; or determined for the purpose of prohibiting further moving of buildings for a period of from a minimum of 30 days to indefinitely. Such party shall have a right of appeal, as provided herein.

3410.6 Appeal. - Any person aggrieved by a decision of the Building Official to refuse to grant, renew or revoke any license may, within 10 days of such decision, file with the Board of Appeals

a petition for review of the action of the Building Official, and it shall be the duty of the Board of Appeals to either grant or deny the petition.

3410.7 Liability Insurance. - No Building Mover License shall be issued until the applicant has filed with the Building official a Policy of Insurance in some good and solvent incorporated insurance company licensed to do business in Tennessee, covering the applicant and the applicant's employees with minimum coverage as set forth in Section 105.9.2.

3410.8 Permits. - A building or structure, or part of any building or structure, shall not be moved through or across any sidewalk, street, alley, or highway within Shelby County without first obtaining a permit from the Building Official. A permit shall not be issued until all parties listed in Section 3408.12 have approved the proposed route that will be taken to the new location. The permit shall become invalid 30 days from the date it is issued.

3410.8.1 Additional Permits. – Additional permit for the placement and repair and/or renovation of structure shall be required as in Section 105.

3410.9 Written Application. - Any person desiring to move a building or structure shall first file with the Building Official a written application setting forth the following information:

1. Written authorization from the property owner for the building or structure to be moved by the applicant.
2. Type and kind of building or structure to be moved.
3. The original cost of such building.
4. The extent of any unrepaired damage to the building
5. The extreme of dimensions specifically identifying the length, height, and width of the building or structure when loaded on wheels for moving.
6. Present location and proposed new location by lot, block, subdivisions, and street number.
7. The approximate time such building or structure will be upon the streets and the contemplated route that will be taken from the present location to the new location.

3410.10 Permit Refusal

3410.10.1 Grounds For Refusal. – If, in the opinion of the Building Official, the moving of any building or structure will cause serious injury to persons or property, or serious injury to the streets or other public improvements, or if the building or structure to be moved has deteriorated more than 50% of its original value by fire or other elements, or if the moving of the building or structure will violate any of the requirements of the Technical Codes or the zoning regulations, the permit shall not be issued and the building or structure shall not be moved.

3410.11 Bond Required

3410.11.1 Terms. – The Building Official, as a condition precedent to the issuance of such permit, shall require a bond to be executed by any person desiring such permit with corporate surety to his satisfaction. Such bond shall be made payable to the City of Memphis and County of Shelby jointly in the amount set forth in Section 105.9.1. It shall indemnify the City of Memphis and County of Shelby jointly against any damage caused by the moving of such building to streets, curbs, sidewalks, trees, highways, and any other property, which may be affected, by the moving of a building.

3410.11.2 Compliance With Permit Conditions Required. – Such surety bond shall also be conditioned upon and liable for strict compliance with the terms of said permit as to route to be taken and limit of time in which to effect such removal and to repair or compensate for the repair and to pay said City and County as liquidated damages an amount not exceeding \$50, to be prescribed by the Building Official, for each and every day's delay in completing such removal or in repairing any damage to property or public improvement or in cleaning all public streets, alleys, or highways of all debris occasioned thereby.

3410.12 Notices To Be Given By Building Official. - Upon the issuance of said moving permit, the Building Official shall cause notice to be given to the Sheriff or to the Police Department, Fire Department, Telephone Company, Memphis Light, Gas and Water Division, and Memphis CATV, or others whose property may be affected by such removal. The Building Official shall set forth in all notices the route to be taken; time started, and approximates time of completion.

3410.13 Public Safety Requirements

3410.13.1 Warning Devices. – Every building, which occupies any portion of public property after sundown, shall have in place sufficient numbers of properly applied and positioned traffic control devices to warn and safely guide motorists around the obstruction between sunset and sunrise. These devices shall be in conformity to Part VI of the Manual on Uniform Traffic Control Devices, published by the U.S. Department of Transportation, edition of 1978, or latest revision thereof.

3410.13.2 Warning Lights. – At least five (5) steady burning yellow, Type C warning lights shall be placed on each street side of the building or structure in such a manner as to indicate extreme width, height, and size.

3410.13.3 Appropriate Channelization Devices. – In addition to yellow lights on the building or structure, appropriate channelization devices shall be used to warn and alert drivers of the hazard and to guide them safely past. These devices include, but are not limited to, cones, vertical panels, drums, barricades and barriers.

3410.13.4 Channelizing Taper. – The length of the taper used to direct motorists around the building or structure shall be computed by the formula $L = S \times W$ for roadways having a posted speed of 45 MPH or less. L equals the taper length in feet, W the width of offset in feet, and S the posted or legal speed limit. The maximum space between devices in a taper should be approximately equal in feet to the speed limit. Type C steady burning yellow warning lights shall be used on traffic control devices used to delineate the channelizing taper.

3410.13.5 Portable Warning Devices. – Where motorists, by channelization, are required to oppose oncoming traffic to the left of the centerline, a row of channelizing taper. Standard and appropriate portable type warning signs shall be used in advance of the channelization to properly warn motorists of the unexpected obstruction of their normal travel.

3410.13.6 Flagmen. – When more than 50% of the street, measured between curbs, is occupied at night by the building or structure, or when, in the opinion of the Building Official, flagmen are necessary to direct or caution traffic, the owner or person moving such building or structure shall employ at his own expense, two flagmen to divert and/or caution traffic from sunset to sunrise. Flagmen shall operate as specified in Section 6F of the MUTCD.

3410.14 Service Connections. - Before a building or structure can be removed, the owner or agent shall notify all utilities having service connections within the structure such as water, electric, gas, sewer, and other connections. A permit to remove a building or structure shall not be issued until a release is obtained from the utilities, stating that their respective service connections and appurtenant equipment have been removed and plugged in a safe manner. Sewer lines shall be capped in an approved manner approximately 18 in. below grade by the structure moving contractor. A capped sewer line shall not be covered until it has been inspected. If covered, the contractor shall expose the cap for inspection.

3410.15 Treatment Of Lot After Moving Of Building Or Structure

3410.15.1 Filling Of Lot To Grade. - When a building or structure is removed, all walls except party walls, including foundations and basement walls, located on the lot involved in razing operation, shall be reduced to a level of the final grade. Excavations, holes, and depressions shall be filled and leveled to provide a final grade, which will affect good drainage. The finished surface of the lot shall be free of holes and depressions, which could accumulate water or be hazardous to pedestrians. All grade slabs shall be removed from the site.

3410.15.2 Protection For Open Pits And Holes. - Basements, cellars, open holes and pits resulting from moving of building or structure, shall be properly protected with barricades and warning lights as directed by the Building Official until such time as they can be properly filled to grade. All excess materials, rubbish and debris shall be removed from the premises.

3410.15.3 Fill. - No materials other than clean earth, broken masonry, tile, plaster, or concrete may be used in filling depressions and grading the site. All excess earth, brick, lumber, and other building materials and debris, shall be removed from the site, and the premises shall be left in a safe, clean and sanitary condition.

3410.15.4 Failure To Clean Premises. - Failure of a person, firm or corporation to comply with the provisions dealing with the cleaning of premises shall be sufficient cause to withhold a contractor's privilege of obtaining permits until there has been compliance with the cleaning provision. Repeated failure to properly clean premises shall be cause for suspension or revocation of a contractor's license.

3410.16 Improvements By Owner. - The owner of any house, building or structure proposed to be moved shall make all necessary improvements required in order for said house, building or structure to comply with the requirements of the Technical Codes within 90 days from the date of the issuance of moving permit. Extensions of such time as deemed reasonable may be granted by the Building Official upon a showing of delay caused by matters beyond the control of the owner or structure mover. The application for the moving permit shall be accompanied by an application for a building permit, accompanied by plans consisting of a legal survey or plot plan of the lot where the house, building, or structure is to be located; a site plan showing where the house, building or structure is situated on the lot, drawn to scale showing setbacks from property lines, and all contemplated improvements, additions or repairs to the house, building or structure; signed by the owner or the owner's agent.

3410.16.1 Abandoned Structures. - Houses, buildings and structures not meeting the requirements of Section 3408.16 shall upon the authority of the Building Official be deemed abandoned structures, shall be hereby declared illegal, and shall be abated by repair and rehabilitation or by demolition.

DELETE Chapter 35 “Referenced Standards” IN ITS ENTIRITY AND REPLACE IT WITH THE FOLLOWING:

**CHAPTER 35
REFERENCED STANDARDS**

This chapter lists the standards that are referenced in various sections of this document. The standards are listed herein by the promulgating agency of the standard, the standard identification, the effective date and title, and the section or sections of this document that reference the standard. The application of the referenced standards shall be as specified in Section 102.4.

AA Aluminum Association
1525 Wilson Boulevard, Suite 600
Arlington, VA 22209

Standard Reference number	Title	Referenced in code section number
ADM1-2010	Aluminum Design Manual:Part 1-A Specification for Aluminum Structures.....	.....1604.3.5, 2002.1
ASM 35-00	Aluminum Sheet Metal Work in Building Construction (Fourth Edition): .....	.....2002.1

AAMA American Architectural Manufacturers Association
1827 Waldon Office Square, Suite 550
Schaumburg, IL 60173

Standard Reference number	Title	Referenced in code section number
1402-86	Standard Specifications for Aluminum Siding, Soffit and Fascia .....	.....1404.5.1
AAMA/WDMA/CSA101/LS.2/A440- -11	North American Fenestration Standard/Specifications for Windows, Doors and Skylights..	.....1715.5.1, 2405.5

ACI American Concrete Institute
38800 Country Club Drive
Farmington Hills, MI 48331

Standard Reference number	Title	Referenced in code section number
216.1-07	Standard Method for Determining Fire Resistance of Concrete and Masonry Construction Assemblies.....	.....Table 720.1(2), 721.1
318-11	Building Code Requirements for Structural Concrete.....	.....1604.3.2, 1615.3.1, 1615.4.1, Table 1705.2.2, 1705.2.2.1.2, Table 1705.3, 1705.3.1, 1705.12.1, 1808.8.2, Table 1808.8.2, 1808.8.5, 1808.8.6, 1810.1.3, 1810.2.4.1, 1810.3.2.1.1, 1810.3.2.1.2, 1810.3.8.3.1, 1810.3.8.3.3, 1810.3.9.4.2.1, 1810.3.9.4.2.2, 1810.3.10.1, 1810.3.11.1, 1901.2, 1902.1, 1903.1, 1904.1, 1904.2, Table 1904.2, 1905.1, 1905.1.1, 1905.1.2, 1905.1.3, 1905.1.4, 1905.1.5, 1905.1.6, 1905.1.7, 1905.1.8, 1905.1.9, 1905.1.10, 1906.1, 1909.1, 2108.3, 2206.1
530-11	Building Code Requirements for Masonry Structures .....	.....1405.6, 1405.6.1, 1405.6.2, 1405.10, 1604.3.4, 1705.4, 1705.4.1, 1807.1.6.3, 1807.1.6.3.2, 1808.9 2101.2.2, 2101.2.3, 2101.2.4, 2101.2.5, 2101.2.6, 2103.9, 2103.12 2103.13, 2103.14, 2104.1, 2104.1.1, 2104.1.2, 2104.1.3, 2104.2, 2104.3, 2104.4, 2105.2.2.1, 2105.2.2.1.2, 2105.2.2.1.3, 2106.1, 2107.1, 2107.2, 2107.3, 2107.4, 2108.1, 2108.2, 2108.3, 2109.1, 2109.1.1, 2109.2, 2109.2.1, 2109.3, 2110.1
530.1-11	Specifications for Masonry Structures .....	.....1405.6.1, 1705.4, 1807.1.6.3, 2103.9, 2103.12, 2103.13, 2103.14, 2104.1, 2104.1.1, 2104.1.2, 2104.1.3, 2104.2, 2104.3, 2104.4, 2105.2.2.1.1, 2105.2.2.1.2, 2105.2.2.1.3

AF&PA

American Forest & Paper Association
1111 19th St, NW Suite 800
Washington, DC 20036

Standard Reference number	Title	Referenced in code section number
WCD No. 4-2003	Wood Construction Data—Plank and Beam Framing for Residential Buildings.....	2306.1.2
WFCM-2012	Wood Frame Construction Manual for One- and Two-family Dwellings.....	1609.1.1, 1609.1.1.1, 2301.2, 2308.1, 2308.2.1
NDS-2012	National Design Specification (NDS) for Wood Construction with 2012 Supplement.....	721.6.3.2 1711.1.1, 1711.1.2.1, 1809.12, 1810.3.2.4, Table 1810.3.2.6, 1905.1.9, 2302.1, 2304.12, 2306.1, 2306.2, Table 2306.2(1), Table 2306.2(2), Table 2306.3(1), Table 2306.3(2), 2307.1, 2306.1.1, 2308.8, 2308.10.2, 2308.10.3
AF&PA-2012	Span Tables for Joists and Rafters	1805.2, 1807.1.4, 2304.9.5.2
ANSI/AF&PA	Permanent Wood Foundation Design Specification	202, 2305.1, 2305.2, 2305.3, 2306.2
PWF-2007	Special Design Provisions for Wind and Seismic	2306.3, Table 2306.3(1), Table 2306.3(3), 2307.1
ANSI/AF&PA		
SDPWS-2008		

AISC

American Institute of Steel Construction
One East Wacker Drive, Suite 700
Chicago, IL 60601-18021

Standard Reference number	Title	Referenced in code section number
341-10	Seismic Provisions for Structural Steel Buildings	1613.4.1, 1705.11.1, 1705.12.2, 2205.2.1, 2205.2.2, 2206.2
360-10	Specification for Structural Steel Buildings	722.5.2.2.1, 1604.3.3, 1705.2.1 2203.1, 2203.2, 2205.1, 2205.2.1, 2206.1

AISI

American Iron and Steel Institute
1140 Connecticut Avenue, 705
Suite 705
Washington, DC 20036

Standard Reference number	Title	Referenced in code section number
AISI S100-07/S1-- -10	North American Specification for the Design of Cold-formed Steel Structural Members, with Supplement 1, dated 2010	1604.3.3, 1905.1.9, 2203.1, 2203.2 2210.1, 2210.2, 2211.2, 2211.4, 2211.5, 2211.6
AISI S110-07	Standard for Seismic Design of Cold-formed Steel Structural Systems—Special Bolted Moment Frames, with Supplement 1, dated 2009.....	2210.2
S200-07	North American Standard for Cold-formed Steel Framing—General Provisions.....	2203.1, 2203.2, 2211.1
S210-07	North American Standard for Cold-formed Steel Framing—Floor and Roof System Design	221 1.5
S211-07	North American Standard for Cold-formed Steel Framing—Wall Stud Design	22 11.4
S212-07	North American Standard for Cold-formed Steel Framing—Header Design.	2211.2
AISI S213--07/ SI-10	North American Standard for Cold-formed Steel Framing—Lateral Design.	2211.6
S214-07	North American Standard for Cold-formed Steel Framing—Truss Design, with Supplement 2, dated 2008	2211.3, 2211.3.1, 2211.3.2
S230-07	Standard for Cold-formed Steel Framing—Prescriptive Method for One- and Two-family Dwellings, with Supplement 2, dated 2008.....	1609.1.1, 1609.1.1.1, 2211.7

AITC

American Institute of Timber Construction
Suite 140
7012 S. Revere Parkway
Englewood, CO 80112

Standard Reference number	Title	Referenced in code section number
AITC Technical Note 7-96	Calculation of Fire Resistance of Glued Laminated Timbers .....	..... 721.6.3.3
AITC 104-03	Typical Construction Details.....	..... 2306.1
AITC 110-01	Standard Appearance Grades for Structural Glued Laminated Timber .....	.....2306.1
AITC 113-10	Standard for Dimensions of Structural Glued Laminated Timber .....	.....2306.1
AITC 117-10	Standard Specifications for Structural Glued Laminated Timber of Softwood Species.....	.....2306.1
AITC 119-96	Standard Specifications for Structural Glued Laminated Timber of Hardwood Species .....	.....2306.1
ANSIAITC A 190.1-07	Structural Glued Laminated Timber.....	2303.1.3, 2306.1
AITC 200-09	Manufacturing Quality Control Systems Manual for Structural Glued Laminated Timber ....	.....2306.1

ALI

Automotive Lift Institute
P.O. Box 85
Courtland, NY 13045

Standard Reference number	Title	Referenced in code section number
ALT ALCTV- 2006	Standard for Automobile Lifts-Safety Requirements for Construction, Testing and Validation (ANSI)	.....3001.2

AMCA

Name
Address
City, State, Zip

Standard Reference number	Title	Referenced in code section number
540-08	Test Method for Louvers Impacted by Wind Borne Debris .....	.....1609.1.2.1

ANSI

American National Standards Institute
25 West 43rd Street, Fourth Floor
New York, NY 10036

Standard Reference number	Title	Referenced in code section number
A13.1-96 (Reaffirmed 2002)	Scheme for the Identification of Piping Systems	415.8.6.4
A108.1A-99	Installation of Ceramic Tile in the Wet-set Method, with Portland Cement Mortar....	2103.11
A108.1B-99	Installation of Ceramic Tile, quarry Tile on a Cured Portland Cement Mortar Setting Bed with Dry-set or Latex-Portland Mortar.....	2103.11
A108.4-99	Installation of Ceramic Tile with Organic Adhesives or Water-cleanable Tile-setting Epoxy Adhesive.....	2103.11.6
A108.5-99	Installation of Ceramic Tile with Dry-set Portland Cement Mortar or Latex-portland Cement Mortar.....	2103.11.1, 2103.11.2
A108.6-99	Installation of Ceramic Tile with Chemical-resistant, Water Cleanable Tile-setting and -grouting Epoxy.....	2103.11.3
A108.8-99	Installation of Ceramic Tile with Chemical-resistant Furan Resin Mortar and Grout	2103.11.4
A108.9-99	Installation of Ceramic Tile with Modified Epoxy Emulsion Mortar/Grout	2103.11.5
A108.10-99	Installation of Grout in Tilework.....	2103.11.7
A117.1-09	Standard on Accessible & Usable Buildings and Facilities.....	3103.3
A118.1-99	American National Standard Specifications for Dry-set Portland Cement Mortar...	2103.11.1
A118.3-99	American National Standard Specifications for Chemical-resistant, Water-cleanable Tile-setting and grouting Epoxy and Water Cleanable Tile-setting Epoxy Adhesive	2103.11.3
A118.4-99	American National Standard Specifications for Latex-Portland Cement Mortar	2103.11.2
A118.5-99	American National Standard Specifications for Chemical Resistant Furan Mortar and Grouts for Tile Installation	2103.11.4
A118.6-99	American National Standard Specifications for Cement Grouts for Tile Installation.....	2103.11.7
A118.8-99	American National Standard Specifications for Modified Epoxy Emulsion Mortar/Grout	2103.11.5
A136.1-99	American National Standard Specifications for Organic Adhesives for Installation of Ceramic Tile	2103.10.6
A137.1-88	American National Standard Specifications for Ceramic Tile	2103.6
A208.1-99	Particleboard.....	2103.1.7, 2103.1.7.1
Z 97.1-09	Safety Glazing Materials Used in Buildings-Safety Performance Specifications and Methods of Test	2406.1.2, 2406.2, Table 2406.2(2), 2406.3.1, 2407.1, 2407.1.4.1, 2408.2.1, 2408.3, 2409.1, 2409.2, 2409.3.1

APA

APA - Engineered Wood Association
7011 South 19th
Tacoma, WA 98466

Standard Reference number	Title	Referenced in code section number
ANSI/APAPRP 210-8	Standard for Performance-Rated Engineered Wood Siding..	2303.1.4, 2304.6.2, 2306.3, Table 2306.3(1)
APA PDS-04	Panel Design Specification	2306.1
APAPDS Supplement 1-90	Design and Fabrication of Plywood Curved Panels (revised 1995).....	2306.1
APAPDS Supplement 2-92	Design and Fabrication of Plywood-lumber Beams (revised 1998)	2306.1
APAPDS Supplement 3-90	Design and Fabrication of Plywood Stressed-skin Panels (revised 1996)	2306.1
APAPDS Supplement 4-90	Design and Fabrication of Plywood Sandwich Panels (revised 1993)	2306.1
APAPDS Supplement 5-08	Design and Fabrication of All-plywood Beams (revised 2008)	2306.1
EWS R540-02	Builders Tips: Proper Storage and Handling of Glulam Beams.....	2306.1
EWS S475-01	Glued Laminated Beam Design Tables.....	2306.1
EWS S560-03	Field Notching and Drilling of Glued Laminated Timber Beams	2306.1
EWS T300-05	Glulam Connection Details	2306.1
EWS X440-03	Product Guide—Glulam	2306.1
EWS X450-01	Glulam in Residential Construction—Western Edition	2306.1

APSP

The Association of Pool & Spa Professionals
2111 Eisenhower Avenue
Alexandria, VA 22314

Standard Reference number	Title	Referenced in code section number
ANSI/APSP 7-06	Standard for Suction Entrapment Avoidance in Swimming Pools, Wading Pools, Spas, Hot Tubs and Catch Basins.....	.....3109.5

ASABE

American Society of Agricultural and Biological Engineers
2950 Niles Road
St. Joseph, MI 49085

Standard Reference number	Title	Referenced in code section number
EP 484.2 June 1998 (R2008)	Diaphragm Design of Metal-clad, Post-frame Rectangular Buildings.....	.....2306.1
EP 486.1 Dec 1999 (R2005)	Shallow-post Foundation Design.....	.....2306.1
EP 559 1997 Dec 1996 (R2008)	Design Requirements and Bending Properties for Mechanically Laminated Columns. .....	.....2306.1

ASCE/SEI

American Society of Civil Engineers
Structural Engineering Institute
1801 Alexander Bell Drive
Reston, VA 20191-4400

Standard Reference number	Title	Referenced in code section number
5-11	Building Code Requirements for Masonry Structures.....	.....1405.6, 1405.6.1, 1405.6.2, 1405.10, 1604.3.4, 1705.4, 1705.4.1, 1807.1.6.3, 1807.1.6.3.2, 1808.9, 2101.2.2, 2101.2.3, 2101.2.4, 2101.2.5, 2101.2.6, 2103.9, 2103.12, 2103.13, 2101.14, 2104.1, 2104.1.1, 2104.1.2, 2104.1.3, 2104.2, 2104.3, 2104.4, 2105.2.2.1, 2105.2.2.1.2, 2105.2.2.1.3, 2106.1, 2107.1, 2107.2, 2107.3, 2107.4, 2108.1, 2108.2, 2108.3, 2109.1, 2109.1.1, 2109.2, 2109.2.1, 2109.3, 2110.1
6-11	Specification for Masonry Structures.....	.....1405.6.1, 1705.4, 1807.1.6.3, 2103.9, 2103.12, 2103.13, 2103.14, 2104.1, 2104.1.1, 2104.1.2, 2104.1.3, 2104.2, 2104.3, 2104.4, 2105.2.2.1.1, 2105.2.2.1.2, 2105.2.2.1.3
7-10, including Supplement No. 1	Minimum Design Loads for Buildings and Other Structures.....	.....Table 1504.8, 1602.1, 1604.3, Table 1604.5, 1604.8.2, 1604.10, 1605.1, 1605.2.1, 1605.3.1, 1605.3.1.2, 1605.3.2, 1605.3.2.1, 1607.8.1, 1607.8.1.1, 1607.8.1.2, 1607.8.3, 1607.12.1, 1608.1, 1608.2, 1608.3, 1609.1.1, 1609.1.2, 1609.3, 1609.5.1, 1609.5.3, 1609.6, 1609.6.1, 1609.6.1.1, 1609.6.2, Table 1609.6.2, 1609.6.3, 1609.6.4.1, 1609.6.4.2, 1609.6.4.4.1, 1611.2, 1612.4, 1613.1, 1613.3.2, Table 1613.3.3(1), Table 1613.3.3(2), 1613.3.5, 1613.3.5.1, 1613.3.5.2, 1613.4, 1613.4.1, 1614.1, 1705.11, 1705.12, 1705.12.3, 1705.12.4, 1803.5.12, 1808.3.1, 1810.3.6.1, 1810.3.9.4, 1810.3.11.2, 1810.3.12, 1905.1.1, 1905.1.2, 1905.1.9, 2205.2.1, 2205.2.2, 2206.2, 2209.1, 2210.2, 2304.6.1, 2404.1, 2505.1, 2505.2, 2506.2.1, 3404.4, 3404.5
8-02	Standard Specification for the Design of Cold-formed Stainless Steel Structural Members....	.....1604.3.3, 2210.1, 2210.2
19-09	Structural Applications of Steel Cables for Buildings.....	.....2208.1, 2208.2
24-05	Flood Resistant Design and Construction...	.....1203.3.2, 1612.4, 1612.5, 3001.2, G103.1, G401.3, G401.4
29-05	Standard Calculation Methods for Structural Fire Protection.....	.....721.1
32-01	Design and construction of Frost Protected Shallow Foundations.....	.....1809.5

ASME

American Society of Mechanical Engineers
Three Park Avenue
New York, NY 10016-5990

Standard Reference number	Title	Referenced in code section number
ASME/A17.1 2007/CSA B44-07	Safety Code for Elevators and Escalators – with A17.1a/CSA B44a-08 Addenda.....	.....907.3.3, 911.1.5, 1007.4, 1607.9.1, , 3001.2, 3001.4, 3010.10.2 3002.5, 3003.2,3007.1, 3008.3, 3008.12, 3008.14.1 3411.8.2
ASME/A17.2-2010	Guide for Inspection of Elevators, Escalators,and Moving Walks.....	..... 3007.5
A18.1-2008	Safety Standard for Platform Lifts and Stairway Chairlifts	1109.7, 2702.2.6, 3411.8.3
A90.1-09	Safety Standard for Belt Manlifts	3001.2
B16.18-2001 (Reaffirmed 2005)	Cast Copper Alloy Solder Joint Pressure Fittings	909.13.1
B16.22-2001 (Reaffirmed 2005)	Wrought Copper and Copper Alloy Solder Joint Pressure Fittings	909.13.1
B20.1-2009	Safety Standard for Conveyors and Related Equipment	3001.2, 3005.3
B31.3-2004	Process Piping	415.8.6.1

Standard Reference number	Title	Referenced in code section number
A 36/A 36M-08	Specification for Carbon Structural Steel.....	1810.3.2.3
A 153/A 153M-05	Specification for Zinc Coating (Hot-dip) on Iron and Steel Hardware.....	2304.9.5
A 240/A 240M-09a	Standard Specification for Chromium and Chromium-nickel Stainless Steel Plate, Sheet and Strip for Pressure Vessels and for General Applications.....	Table 1507.4.3(1)
A 252-98 (2007)	Specification for Welded and Seamless Steel Pipe Piles.....	1810.3.2.3
A 283/A 283M-03(2007)	Specification for Low and Intermediate Tensile Strength Carbon Steel Plates.....	1810.3.2.3
A 307-07b	Specification for Carbon Steel Bolts and Studs, 60,000 psi Tensile Strength.....	1908.1
A 416/A 416M-06	Specification for Steel Strand, Uncoated Seven-wire for Prestressed Concrete.....	1810.3.2.2
A 463/A 463M-06	Standard Specification for Steel Sheet, Aluminum-coated, by the Hot-dip Process....	Table 1507.4.3(2)
A 572/A 572M-07	Specification for High-strength Low-alloy Columbium-vanadium Structural Steel....	1810.3.2.3
	Specification for High-strength Low-alloy Structural Steel with 50 ksi (345 MPa)	
A 588/A 588M-05	Minimum Yield Point with Atmospheric Corrosion Resistance	1810.3.2.3
A 615/A 615M-09	Specification for Deformed and Plain Billet-steel Bars for Concrete Reinforcement...	1705.12.1, 1810.3.10.2
A 653/A 653M-08	Specification for Steel Sheet, Zinc-coated Galvanized or Zinc-iron Alloy-coated Galvannealed by the Hot-dip Process	Table 1507.4.3(1), Table 1507.4.3(2), 2304.9.5.1
A 690/A 690M-07	Standard Specification for High-strength Low-alloy Nickel, Copper, Phosphorus Steel H-piles and Sheet Piling with Atmospheric Corrosion Resistance for Use in Marine Environments.....	810.3.2.3
A 706/A 706M-09	Specification for Low-alloy Steel Deformed and Plain Bars for Concrete Reinforcement.....	Table 1705.2.2, 1705.3.1, 2107.4, 2108.3
A 722/A 722M-07	Specification for Uncoated High-strength Steel Bar for Prestressing Concrete.....	1810.3.10.2
A 755/A 755M-03(2008)	Specification for Steel Sheet, Metallic-coated by the Hot-dip Process and Prepainted by the Coil-coating Process for Exterior Exposed Building Products.	Table 1507.4.3(1), Table 1507.4.3(2)
A 792/A 792M-08	Specification for Steel Sheet, 55% Aluminum-zinc Alloy- coated by the Hot-dip Process.....	Table 1507.4.3(1), Table 1507.4.3(2)
A 875/A 875M-06	Standard Specification for Steel Sheet Zinc-5 percent, Aluminum Alloy-coated by the Hot-dip Process.....	Table 1507.4.3(2)
A 913/A 913M-07	Specification for High-strength Low-alloy Steel Shapes of Structural Quality, Produced by Quenching and Self-tempering Process (QST).....	1810.3.2.3
A 924/A 924M-08a	Standard Specification for General Requirements for Steel Sheet, Metallic-coated by the Hot-dip Process	Table 1507.4.3(1)
A 992/A 992M-06a	Standard Specification for Structural Shapes.....	1810.3.2.3
B 42-02e01	Specification for Seamless Copper Pipe, Standard Sizes.....	909.13.1
B 43-98(2004)	Specification for Seamless Red Brass Pipe, Standard Sizes.....	909.13.1
B 68-02	Specification for Seamless Copper Tube, Bright Annealed (Metric).....	909.13.1
B 88-03	Specification for Seamless Copper Water Tube.....	909.13.
B 101-07	Specification for Lead-coated Copper Sheet and Strip for Building Construction.....	1404.5.3, Table 1507.2.9.2, Table 1507.4.3(1)
B 209-07	Specification for Aluminum and Aluminum Alloy Steel and Plate	Table 1507.4.3(1)
B 251-02e01	Specification for General Requirements for Wrought Seamless Copper and Copper-alloy Tube...	909.13.1
B 280-03	Specification for Seamless Copper Tube for Air Conditioning and Refrigeration Field Service.....	909.13.1
B 370-09	Specification for Cold-rolled Copper Sheet and Strip for Building Construction.....	1404.5.2, Table 1507.2.9.2, Table 1507.4.3(1)
B 695-04	Standard Specification for Coatings of Zinc Mechanically Deposited on Iron and Steel Strip for Building Construction.....	2304.9.5.1, 2304.9.5.3
C 5-03	Specification for Quicklime for Structural Purposes.....	Table 2507.2
C 22/C 22M—00 (2005) e01	Specification for Gypsum	Table 2506.2
C 27—98(2008)	Specification for Standard Classification of Fireclay and High-alumina Refractory Brick	21.
C 28/C 28M-00 (2005)	Specification for Gypsum Plasters.....	Table 2507.2
C 31/C 31M-08b	Practice for Making and Curing Concrete Test Specimens in the Field	Table 1705.3
C 33/C33M---08	Specification for Concrete Aggregates	721.3.1.4, 721.4.1.1.3
C 34-03	Specification for Structural Clay Load-bearing Wall Tile.....	2103.2
C 35---01(2005)	Specification for Inorganic Aggregates for Use in Gypsum Plaster	Table 2507.2
C 36/C 36M—03	Specification for Gypsum Wallboard.....	Figure 721.5.1(2), Figure 721.5.1(3)
C 55-06e01	Specification for Concrete Building Brick	Table 721.3.2, 2103.1, 2105.2.2.1.2
C 56-05	Specification for Structural Clay Nonload Bearing Tue	2103.2
C 59/C 59M-00 (2006)	Specification for Gypsum Casting and Molding Plaster	Table 2507.2
C 61/C 61-00(2006)	Specification for Gypsum Keene's Cement.....	Table 2507.2
	Specification for Building Brick (Solid Masonry Units Made from Clay or Shale).....	1807.1.6.3, 2203.2, 2105.2.2.1.1
C 62-08	Test Methods of Sampling and Testing Brick and Structural Clay Tue	
C 67-08	.....	721.4.1.1.1, 2109.3.1.1
C 73-05	Specification for Calcium Silicate Face Brick (Sand-lime Brick).....	Table 721.3.2, 2103.1
C 90-08	Specification for Loadbearing Concrete Masonry Units.	Table 721.3.2, 1807.1.6.3, 2103.1
C 91-05	Specification for Masonry Cement.....	Table 2507.2
C 94/C 94M-09	Specification for Ready-mixed Concrete.....	109.3.1
C 126-99 (2005)	Specification for Ceramic Glazed Structural Clay Facing Tue, Facing Brick and Solid Masonry Units.....	2103.2
C 140-08a	Test Method Sampling and Testing Concrete Masonry Units and Related Units.....	721.3.1.2
C 150-07	Specification for Portland Cement.....	Table 2507.2
C 172-08	Practice for Sampling Freshly Mixed Concrete.....	Table 1705.3
C 199-84 (2005)	Test Method for Pier Test for Refractory Mortars.....	2111.5, 2111.8, 2113.12
C 206-03	Specification for Finishing Hydrated Lime	Table 2507.2

E 119-08a	Test Methods for Fire Tests of Building Construction and Materials.....	.....703.2, 703.2.1, 703.2.3, 703.3, 703.4, 703.5, 704.12, 705.7, 705.8.5, 707.6, 712.3.2, 713.3.1, 713.4.1.1, 714.1, 715.2, 715.4.5, 716.5.2, 716.5.3, 716.6.1, 716.6.2.1, Table 720.1(1), 1409.10.2, 2103.2, 2603.5.1
E 136-09	Test Method for Behavior of Materials in a Vertical Tube Furnace at 750°C	703.4.1
E 330-02	Test Method for Structural Performance of Exterior Windows, Curtain Walls and Doors by Uniform Static Air Pressure Difference.....	1409.10.2, 1710.5.2
E 331-00 (2009)	Test Method for Water Penetration of Exterior Windows, Skylights, Doors and Curtain Walls by Uniform Static Air Pressure Difference.....	1403.2
E 492-09	Test Method for Laboratory Measurement of Impact Sound Transmission Through Floor-ceiling Assemblies Using the Tapping Machine	1207.3
E 605-93 (2006)	Test Method for Thickness and Density of Sprayed Fire-resistive Material (SFRM) Applied to Structural Members.....	1705.13.4.1, 1705.13.4.2
E 681-04	Test Methods for Concentration Limits of Flammability of Chemical Vapors and Gases	307.2
E 736-00 (2006)	Test Method for Cohesion/Adhesion of Sprayed Fire-resistive Materials Applied to Structural Members	704.13.2, 1705.12.6
E 814-08b	Test Method of Fire Tests of Through-penetration Firestops	702.1, 713.3.1.2, 713.3.2, 713.4.1.1.2
E 970-08a	Test Method for Critical Radiant Flux of Exposed Attic Floor Insulation Using a Radiant Heat Energy Source	719.3.1
E 1300-07e01	Practice for Determining Load Resistance of Glass in Buildings	2404.1, 2404.2, 2404.3.1, 2404.3.2, 2404.3.3, 2404.3.4, 2404.3.5
E 1354--09	Standard Test Method for Heat and Visible Smoke Release Rates for Materials and Products Using an Oxygen Consumption Calorimeter.....	402.12.1
E 1592-05	Test Method for Structural Performance of Sheet Metal Roof and Siding Systems by Uniform Static Air Pressure Difference	1504.3.2
E 1602-03	Guide for Construction of Solid Fuel-burning Masonry Heaters	2112.2
E 1886-05	Test Method for Performance of Exterior Windows, Curtain Walls, Doors and Storm Shutters Impacted by Missiles and Exposed to Cyclic Pressure Differentials	1609.1.2
E 1966-07	Test Method for Fire-resistant Joint Systems.....	702.1, 714.3
E 1996-09	Specification for Performance of Exterior Windows, Glazed Curtain Walls, Doors and Impact Protective Systems Impacted by Windborne Debris in Hurricanes	1609.1.2, 1609.1.2.2
E 2072-04	Standard Specification for Photoluminescent (Phosphorescent) Safety Markings	1024.4
E 2174-09	Standard Practice for On-Site Inspection of Installed Fire Stops	1705.16.1
E 2273-03	Standard Test Method for Determining the Drainage Efficiency of Exterior Insulation and Finish Systems (EIFS) Clad Wall Assemblies	1408.4.1
E 2307-04e01	Standard Test Method for Determining Fire Resistance of Perimeter Fire Barrier Systems Using Intermediate-scale, Multistory Test Apparatus	714.4
E 2393-09	Standard Practice for On-Site Inspection of Installed Fire Resistive Joint Systems and Perimeter Fire Barrier	1705.16.2
E 2404-08	Standard Practice for Specimen Preparation and Mounting of Textile, Paper or Vinyl Wall or Ceiling Coverings to Assess Surface Burning Characteristics.....	803.1.4
E 2568-09e1	Standard Specification for PB Exterior Insulation and Finish Systems (EIFS)	1408.2
E 2570-07	Standard Test Method for Evaluating Water-resistive Barrier (WRB) Coatings Used Under Exterior Insulation and Finish Systems (EIFS) for EIFS with Drainage.....	1408.4.1.1, 1705.15.1
E 2573-07a	Standard Practice for Specimen Preparation and Mounting of Site-fabricated Stretch Systems to Assess Surface Burning Characteristics	803.9
E 2599-09	Standard Practice for Specimen Preparation and Mounting of Reflective Insulation Materials and Radiant Barrier Materials for Building Applications to Assess Surface Burning Characteristics.....	2613.3
E 2634-08	Standard Specification for Insulating Concrete Form (ICF) Systems	1903.3
F 547-06	Terminology of Nails for Use with Wood and Wood-based Materials.....	Table 2506.2
F 1346-91 (2003)	Performance Specification for Safety Covers and Labeling Requirements for All Covers for Swimming Pools, Spas and Hot Tubs	3109.4, 3109.4.1.8
F 1667-05	Specification for Driven Fasteners: Nails, Spikes and Staples ..	Table 720.1(2), Table 720.1(3), 1507.2.6, 2303.6, Table 2506.2
F 2006-00 (2005)10	Standard/Safety Specification for Window Fall Prevention Devices for Nonemergency Escape (Egress) and Rescue (Ingress) Windows	1405.13.2
F 2090-08	Specification for Window Fall Prevention Devices with Emergency Escape (Egress) Release Mechanisms	1405.13.2
F 2200-05	Standard Specification for Automated Vehicular Gate Construction.....	3110.3
G 152--06	Practice for Operating Open Flame Carbon Arc Light Apparatus for Exposure of Nonmetallic Materials.....	1504.6
G 154-06	Practice for Operating Fluorescent Light Apparatus for UV Exposure of Nonmetallic Materials ..	1504.6
G 155--05a	Practice for Operating Xenon Arc Light Apparatus for Exposure of Nonmetallic Materials	1504.6

AWCI

Association of the Wall and Ceiling Industry
513 West Broad Street, Suite 210
Falls Church, VA 22046

Standard Reference number	Title	Referenced in code section number
12-B-98	Technical Manual 12-B Standard Practice for the Testing and Inspection of Field Applied Thin Film Intumescent Fire-resistive Materials; an Annotated Guide, First Edition.....	1705.14

AWPA

American Wood Protection Association
P.O. Box 361784
Birmingham, AL 35236-1784

Standard Reference number	Title	Referenced in code section number
C1—03	All Timber Products-Preservative Treatment by Pressure Processes.....	1505.61
M4—08	Standard for the Care of Preservative-treated Wood Products	1810.3.2.4.1, 2303.1.8
U1—11	USE CATEGORY SYSTEM: User Specification for Treated Wood Except Section 6, Commodity Specification H	1403.6, Table 1507.9.6, 1807.1.4, 1807.3.1, 1809.12, 1810.3.2.4.1, 2303.1.8, 2303.1.8.1, 2304.11.2, 2304.11.4, 2304.11.6, 2304.11.7

AWS

American Welding Society
550 N.W. LeJeune Road
Miami, FL 33126

Standard Reference number	Title	Referenced in code section number
D1.3—98	Structural Welding Code-Sheet Steel	Table 1705.2.2, 1705.2.2.1.1
D1.4—98	Structural Welding Code-Reinforcing Steel	Table 1705.2.2, 1705.2.2.1.2, Table 1705.3, 2107.4

BHMA

Builders Hardware Manufacturers' Association
355 Lexington Avenue, 17th Floor
New York, NY 10017-6603

Standard Reference number	Title	Referenced in code section number
A 156.10—2011	Power Operated Pedestrian Doors	1008.1.4.2
A 156.19—2007	Standard for Power Assist and Low Energy Operated Doors	1008.1.4.2

CGSB

Consumer Product Safety Commission
4330 East West Highway
Bethesda, MD 20814-4408

Standard Reference number	Title	Referenced in code section number
37-GP-52M (1984)	Roofing and Waterproofing Membrane, Sheet Applied, Elastomeric	1504.7, 1507.12.2
37-GP-56M (1980)	Membrane, Modified, Bituminous, Prefabricated and Reinforced for Roofing—with December 1985 Amendment	1507.11.2
CAN/CGSB 37.54—95	Polyvinyl Chloride Roofing and Waterproofing Membrane.....	1507.13.2

CPA

Composite Panel Association
19465 Deerfield Avenue, Suite 306
Leesburg, VA 20176

Standard Reference number	Title	Referenced in code section number
ANSI A135.4—2004	Basic Hardboard	1404.3.1, 2303.1.6
ANSI A135.5—2004	Basic Hardboard	2303.1.6, 2304.6.2
ANSI A135.6—2006	Hardboard Siding	1404.3.2, 2303.1.6

CPSC

Consumer Product Safety Commission
4330 East West Highway
Bethesda, MD 20814-4408

Standard Reference number	Title	Referenced in code section number
16 CFR Part 1201 (2002)	Safety Standard for Architectural Glazing Material	2406.2, Table 2406.2(1), 2406.3.1, 2407.1, 2407.1.4.1, 2408.2.1, 2408.3, 2409.1, 2409.2, 2409.3.1
16 CFR Part 1209 (2002)	Interim Safety Standard for Cellulose Insulation ......	.....719.6
16 CFR Part 1404 (2002)	Cellulose Insulation . . . . ......	.....719.6
16 CFR Part 1500 (2009)	Hazardous Substances and Articles; Administration and Enforcement Regulations.....	.....307.2
16 CFR Part 1500.44 (2009)	Method for Determining Extremely Flammable and Flammable Solids . ......	.....307.2
16 CFR Part 1507 (2002)	Fireworks Devices ......	.....307.2
16 CFR Part 1630 (2007)	Standard for the Surface Flammability of Carpets and Rugs ......	.....804.4.1

CSA

Canadian Standards Association
5060 Spectrum Way
Mississauga, Ontario Canada L4W 5N6

Standard Reference number	Title	Referenced in code section number
AAMA/WDMA/CSA 101/LS.2/A440—11	Specifications for Windows, Doors and Unit Skylights.....	.....1710.5.1, 2405.5

CSSB

Name
Address
City, State, Zip

Standard Reference number	Title	Referenced in code section number
CSSB—97	Grading and Packing Rules for Western Red Cedar Shakes and Western Red Shingles of the Cedar Shake and Shingle Bureau . . . . .	....Table 1507.8.5, Table 1507.9.6

DASMA

Door and Access Systems Manufacturers Association International
1300 Summer Avenue
Cleveland, OH 44115-2851

Standard Reference number	Title	Referenced in code section number
ANSI/DASMA 107-1997 (R2004) 108—05	Room Fire Test Standard for Garage Doors Using Foam Plastic Insulation Standard Method for Testing Sectional Garage Doors and Rolling Doors: Determination of Structural Performance Under Uniform Static Air Pressure Difference. . . . .	..... 2603.4.1.9.....1710.5.2
115—05	Standard Method for Testing Sectional Garage Doors and Rolling Doors: Determination of Structural Performance Under Missile Impact and Cyclic Wind Pressure . . . . .	..... 1609.1.2.3

DOC

U.S. Department of Commerce
National Institute of Standards and Technology
1401 Constitution Avenue NW
Washington, DC 20230

Standard Reference number	Title	Referenced in code section number
PS-1—09	Structural Plywood.....	.....2303.1.4, 2304.6.2, Table 2304.7(4), Table 2304.7(5), Table 2306.2(1), Table 2306.2(2)
PS-2—10	Performance Standard for Wood-based Structural-use Panels. . . . .	.....2303.1.4, 2304.6.2, Table 2304.7(5), Table 2306.2(1), Table 2306.2(2)
PS 20—05	American Softwood Lumber Standard.....	.....1810.3.2.4, 2303.1.1

DOJ

U.S. Department of Justice
950 Pennsylvania Avenue, NW
Civil Rights Division, Disability Rights Section-NYA
Washington, DC 20530

Standard Reference number	Title	Referenced in code section number
DOJ 36 CFR Part 1192	American with Disabilities Act (ADA) Accessibility Guidelines for Transportation Vehicles (ADAAG) Department of Justice, 1991 .....	.....E109.2.4

DOL

Name
Address
City, State, Zip

Standard Reference number	Title	Referenced in code section number
129 CFR Part 1910.1000 (1974)	Air Contaminants.....	.....902.1

DOTn

U.S. Department of Transportation
c/o Superintendent of Documents
1200 New Jersey Avenue, SE
Washington, DC 20402-9325

Standard Reference number	Title	Referenced in code section number
49 CFR Parts 100-185-2005	Hazardous Materials Regulations	307.2
49 CFR Parts 173.137(2005)	Shippers—General Requirements for Shipments and Packaging—Class 8—Assignment of Packing Group	307.2
49 CFR—1998	Specification of Transportation of Explosive and Other Dangerous Articles, UN 0335, UN 0336 Shipping Containers	307.2

EN

European Committee for Standardization (EN)
Central Secretariat
Rue de Stassart 36
B-10 50 Brussels

Standard Reference number	Title	Referenced in code section number
EN 1081-98	Resilient Floor Coverings—Determination of the Electrical Resistance	406.5.2

FEMA

Federal Emergency Management Agency
Federal Center Plaza
500 C Street S.W.
Washington, DC 20472

Standard Reference number	Title	Referenced in code section number
FIA-TB-11—01	Crawlspace Construction for Buildings Located in Special Flood Hazard Areas.....	1805.1.2.1
P646—08	Guidelines for Design for Structures for Vertical Evacuation from Tsunamis	M101.4

FM

Factory Mutual Global Research
Standards Laboratories Department
1301 Atwood Avenue, P.O. Box 7500
Johnston, RI 02919

Standard Reference number	Title	Referenced in code section number
4450 (1989)	Approval Standard for Class 1 Insulated Steel Deck Roofs— with Supplements through July 1992.....	1508.1, 2603.3, 2603.4.1.5
4470 (1992)	Approval Standard for Class 1 Roof Covers.....	1504.7

GA

Name
Address
City, State, Zip

Standard Reference number	Title	Referenced in code section number
GA 216—07	Application and Finishing of Gypsum Panel Products.....	Table 2508.1, 2509.2
GA 600—06	Fire-Resistance Design Manual, 18th Edition	Table 720.1(1), Table 720.1(2), Table 720.1(3)

HPVA

Hardwood Plywood Veneer Association
1825 Michael Faraday Drive
Reston, VA 20190

Standard Reference number	Title	Referenced in code section number
HP-1—2009	Standard for Hardwood and Decorative Plywood.....	..... 2303.3, 2304.6.2

HUD

U.S. Department of Housing and Urban Development
451 7th Street, SW
Washington, DC 20410

Standard Reference number	Title	Referenced in code section number
HUD 24 CFR Part 3280 (2008)	Manufactured Home Construction and Safety Standards.....	.....G201

ICC

International Code Council, Inc.
500 New Jersey Ave, NW
6th Floor
Washington, DC 20001

Standard Reference number	Title	Referenced in code section number
ICC/ANSI A117.1—09	Accessible and Usable Buildings and Facilities.....	406.2.2, 907.5.2.3.4, 1007.9, 1010.1, 1010.6.5, 1010.9, 1011.3, 1022.8, 1101.2, 1102.1, 1104.4, 1106.7, 1107.2, 1108.2.2, 1108.2.3, 1108.4.1.1, 1108.4.1.2, 1108.4.1.4, 1108.4.1.5, 1109.1, 1109.2, 1109.2.1.1, 1109.2.2, 1109.2.3, 1109.3, 1109.4, 1109.8, 1109.13, 2902.4, 3001.3, 3008.13.1, 3008.13.2, 3411.8.2, 3411.8.3, E101.2, E104.2, E104.2.1, E104.3, E104.3.4, E105.1, E105.2.1, E105.2.2, E105.3, E105.4, E105.6, E106.2, E106.3, E106.4, E106.4.9, E106.5, E107.2, E107.3, E108.3, E108.4, E109.2.1, E109.2.2.1, E109.2.2.2, E109.2.2.3, E109.2.3, E109.2.5, E109.2.6, E109.2.8, E110.2, E110.4
ICC 300-12	ICC Standard on Bleachers, Folding and Telescopic Seating and Grandstands.....	1028.1.1, Table 1607.1, 3401.1
ICC 400-12	Standard on Design and Construction of Log Structures	2301.2
ICC 500-08	ICC/NSSA Standard on the Design and Construction of Storm Shelters..	423.1, 423.2
ICC 600-08	Standard for Residential Construction in High-wind Regions	1609.1.1, 1609.1.1.1, 2308.2.1
IEBC-12	International Existing Building Code®	3401.5
IECC-09	International Energy Conservation Code®	101.4.7, 1203.3.2, 1301.1.1, 1405.3, 3401.3
IFC-09	International Fire Code®	101.4.5, 102.6, 201.3, 307.1, Table 307.1(1), Table 307.1(2), 307.1.1, 307.2, 403.4.4, 404.2, 406.5.1, 406.6.1, 410.3.6, 411.1, 412.1, 412.6.1, 413.1, 414.1.1, 414.1.2, 414.1.2.1, 414.2, 414.2.5, Table 414.2.5(1), Table 414.2.5(2), 414.3, 414.5, 414.5.1, Table 414.5.1, 414.5.2, 414.5.4, 414.5.5, 414.6, 415.1, 415.2, 415.3, 415.3.1, Table 415.3.1, Table 415.3.2, 415.6, 415.6.1, 415.6.1.4, 415.6.2, 415.6.2.3, 415.6.2.5, 415.6.2.7, 415.6.2.8, 415.6.2.9, 415.6.3, 415.6.4, 415.7, 415.8.1, 415.8.2.7, 415.8.5.1, 415.8.7.2, 415.8.9.3, 415.8.10.1, 416.1, 421.1, 421.7, 507.3, 707.1, 901.2, 901.3, 901.5, 901.6.2, 903.2.7.1, Table 903.2.11.6, 903.2.12, 903.5, 904.2.1, 905.1, 905.3.6, 906.1, 907.1.8, 907.2.5, 907.2.13.2, 907.2.15, 907.2.16, 907.6.5, 907.8, 909.20, 910.2.2, 1001.3, 1203.4.2, 1203.5, 1507.16, 1511.1, Table 1604.5, 2603.4.1.12, 2702.1, 2702.2.9, 2702.2.11, 2702.2.12, 2702.2.13, 2702.3, 3102.1, 3103.1, 3309.2, 3401.3, 3412.3.2, 3412.6.8.1, 3412.6.14, 3412.6.14.1
IFGC-09	International Fuel Gas Code	101.4.2, 201.3, Table 307.1(1), 415.6.3, 2113.11.1.2, 2113.15, 2801.1, 3401.3, A101.2
IMC-09	International Mechanical Code.	101.4.3, 201.3, 307.1, Table 307.1(1), 406.4.2, 406.6.3, 406.6.5, 409.3, 412.6.6, 414.1.2, 414.3, 415.6.1.4, 415.6.2, 415.6.2.8, 415.6.3, 415.6.4, 415.8.11.1, 416.3, 421.5, 603.1, 603.1.1, 603.1.2, 708.2, 716.2.2, 716.5.4, 716.6.1, 716.6.2, 716.6.3, 717.5, 719.1, 719.7, 903.2.11.4, 904.2.1, 904.11, 908.6, 909.1, 909.10.2, 1015.5, 1018.5.1, 1203.1, 1203.2.1, 1203.4.2, 1203.4.2.1, 1203.5, 1209.3, 2304.5, 2801.1, 3004.3.1, 3401.3, 3412.6.7.1, 3412.6.8, 3412.6.8.1, A101.2
IPC-09	International Plumbing Code®.....	101.4.4, 201.3, 415.6.4, 717.5, 903.3.5, 912.5, 1206.3.3, 1503.4, 1503.4.1, 1805.4.3, 2901.1, Table 2902.1, 3305.1, 3401.3, A101.2
IPMC-09	International Property Maintenance Codes .	3401.3, 3412.3.2
IPSDC-09	International Private Sewage Disposal Code®.	2901.1, 3401.3
IRC-12	International Residential Code®....	101.2, 308.2, 308.5, 310.1, 2308.1, 3401.3
IWUTC-09	International Wildland-Urban Interface Code®	Table 1505.1
SBCCISSTD 11-97	Test Standard for Determining Wind Resistance of Concrete or Clay Roof Tiles	1711.2.1, 1711.2.2

ISO

International Organization for Standardization
ISO Central Secretariat
1 ch, de la Voie-Creuse, Case Postale
CH-1211 Geneva 20, Switzerland

Standard Reference number	Title	Referenced in code section number
ISO 8115—86	Cotton Bales—Dimensions and Density .....	..Table 415.8.2.1.1

NAAMM

National Association of Architectural Metal Manufacturers
800 Roosevelt Road, Bldg. C, Suite 312
Glen Ellyn, IL 60137

Standard Reference number	Title	Referenced in code section number
FP 1001—97	Guide Specifications for Design of Metal Flag Poles.....	.....1609.1.1

NCMA

Name
Address
City, State, Zip

Standard Reference number	Title	Referenced in code section number
TEK 5-84 (1996)	Details for Concrete Masonry Fire Walls .....	.....Table 720.1(2)

Standard Reference number	Title	Referenced in code section number
10-07	Portable Fire Extinguishers.....	906.2, 906.3.2, 906.3.4, Table 906.3(1), Table 906.3(2)
10--05	Low Expansion Foam.....	904.7
12--05	Carbon Dioxide Extinguishing Systems.....	904.8, 904.11
12A-04 Halon 1301	Halon 1301 Fire Extinguishing Systems.....	904.9
13-07	Installation of Sprinkler Systems	708.2, 903.3.1.1, 903.3.2, 903.3.5.1.1, 903.3.5.2, 904.11, 905.3.4, 907.6.3, 1613.6.3
13D-07	Installation of Sprinkler Systems in One- and Two-family Dwellings and Manufactured Homes	903.3.1.3, 903.3.5.1.1
13R-07	Installation of Sprinkler Systems in Residential Occupancies Up to and Including Four Stories in Height	903.3.1.2, 903.3.5.1.1, 903.3.5.1.2, 903.4
14-07	Installation of Standpipe and Hose System	905.2, 905.3.4, 905.4.2, 905.6.2, 905.8
16-07	Installation of Foam-water Sprinkler and Foam-water Spray Systems	904.7, 904.11
17-02	Dry Chemical Extinguishing Systems.....	904.6, 904.11
17A-02	Wet Chemical Extinguishing Systems	904.5, 904.11
20-07	Installation of Stationary Pumps for Fire Protection	913.1, 913.2.1, 913.5
30-08	Flammable and Combustible Liquids Code.....	415.3
31-06	Installation of Oil-burning Equipment	2113.15
32-07	Dry Cleaning Plants.....	415.6.4
40-07	Storage and Handling of Cellulose Nitrate Film.....	409.1
58-08	Liquefied Petroleum Gas Code.....	415.6.3
61-08	Prevention of Fires and Dust Explosions in Agricultural and Food Product Facilities...	415.6.1
70-08	National Electrical Code.....	108.3, 415.8.2.8.2, 904.3.1, 907.6.1, 909.12.1, 909.16.3, 1205.4.1, 2701.1, 3401.3, H106.1, H106.2, K101, K111.1, Table 705.8, 901.6, 903.4.1, 904.3.5, 907.2, 907.2.5, 907.2.11, 907.2.13.2, 907.3, 907.3.3, 907.3.4, 907.5.2.1.2, 907.5.2.2, 907.6, 907.6.1, 907.6.5, 907.7, 907.7.1, 907.7.2, 911.1.5, 1018.1, 3006.5, 3007.6
72-07	National Fire Alarm Code.....	410.3.5, 508.2.5.2, 715.4, 715.4.5, 715.4.6, 715.4.7.1, 715.4.8.2, 715.5, 715.5.5, 1008.1.4.3
80-07	Fire Doors and Other Opening Protective.....	415.6.1
85-07	Boiler and Combustion System Hazards Code (Note: NFPA 8503 has been incorporated into NFPA 85)	909.8
92B-05	Smoke Management Systems in Malls, Atria and Large Spaces ...	407.9
99-05	Standard for Health Care Facilities.....	1028.6.2
101-06	Life Safety Code.....	405.4.2, 715.4.3.1, 909.20.4.1
105-07	Standard for the Installation of Smoke Door Assemblies	2702.1
110-05	Emergency and Standby Power Systems	2702.1
111-05	Stored Electrical Energy Emergency and Standby Power Systems	415.6.1
120-04	Coal Preparation Plants.....	1024.2.6.1
170-06	Standard for Fire Safety and Emergency Symbols.....	2112.5
211-06	Chimneys Fireplaces Vents and Solid Fuel burning Appliances..	715.3, 715.4.1, 715.4.2, 715.4.3, 715.4.7.3.1
252-03	Standard Methods of Fire Tests of Door Assemblies.....	402.12.1, 406.6.4, 804.2, 804.3
253-06	Test for Critical Radiant Flux of Floor Covering Systems Using a Radiant Heat Energy Source	715.3, 715.4.3.2, 715.5, 715.5.1, 715.5.2, 715.5.9.1
257-07	Standard for Fire Test for Window and Glass Block Assemblies	2603.4.1.10, 2603.5.3
259-03	Test Method for Potential Heat of Building Materials.....	803.1.3, 803.1.3.1
265-07	Method of Fire Tests for Evaluating Room Fire Growth Contribution of Textile Wall Coverings on Full Height Panels and Walls	1406.2.1.1, 1406.2.1.1.1, 1406.2.1.1.2,, 2603.5.7, D105.1
268-07	Standard Test Method for Determining Ignitibility of Exterior Wall Assemblies Using a Radiant Heat Energy Source.....	1403.5, 1407.10.4, 1409.10.4, 1509.6.2, 2603.5.5
285-06	Standard Method of Test for the Evaluation of Flammability Characteristics of Exterior Nonload-bearing Wall Assemblies Containing Combustible Components ...	402.6.4.4, 803.1.2, 803.1.2.1, 803.9.2603.4, 2603.7, 2603.10, 2604.2.4, 2613.4
286-06	Standard Method of Fire Test for Evaluating Contribution of Wall and Ceiling Interior Finish to Room Fire Growth	

288-07	Standard Method of Fire Tests of Floor Fire Door Assemblies Installed Horizontally in Fire-resistance-rated Floor Systems.....	712.8
409-04	Aircraft Hangers.....	.412.4.6, Table 412.4.6, 412.4.6.1, 412.6.5
418-06	Standard for Heliportss.....	412.7.4
484-06	Combustible Metals.....	415.6.1
654-06	Prevention of Fire & Dust Explosions from the Manufacturing, Processing and Handling of Combustible Particulate Solids.....	415.6.1
655-07	Prevention of Sulfur Fires and Explosions.....	415.6.1
664-07	Prevention of Fires and Explosions in Wood Processing and Woodworking Facilities	415.6.1
701-04	Standard Methods of Fire Tests for Flame-propagation of Textiles and Films .....	.402.12.1, 410.3.6, 801.1.4, 806.1,806.1.2, 806.2, 3102.3, 3102.3.1,3102.6.1.1, 3105.4, D102.2.8, H106.1.1
704-04	Standard System for the Identification of the Hazards of Materials for Emergency Response.....	414.7.2, 415.2
1124-06	Manufacture, Transportation and Storage of Fireworks and Pyrotechnic Articles.	415.3.1
2001-08	Clean Agent Fire Extinguishing Systems	904.10

PCI Precast Prestressed Concrete Institute
200 West Adams Street, Suite 2100
Chicago, IL 60606-5230

Standard Reference number	Title	Referenced in code section number
MNL 124—89	Design for Fire Resistance of Precast Prestressed Concrete	721.2.3.1
MNL 128—01	Recommended Practice for Glass Fiber Reinforced Concrete Panels	1903.2

PTI Post-Tensioning Institute
8601 North Black Canyon Highway, Suite 103
Phoenix, AZ 85021

Standard Reference number	Title	Referenced in code section number
PTI—2007	Standard Requirements for Analysis of Shallow Concrete Foundations on Expansive Soils, Third Edition	1808.6.2
PTI—2007	Standard Requirements for Design of Shallow Post-tensioned Concrete Foundation on Expansive Soils, Second Edition.....	1808.6.2

RMI Rack Manufacturers Institute
8720 Red Oak Boulevard, Suite 201
Charlotte, NC 28217

Standard Reference number	Title	Referenced in code section number
ANSI/MH16.1—08	Specification for Design, Testing and Utilization of Industrial Steel Storage Racks.....	.2209.1

SDI Steel Deck Institute
P. O. Box 25
Fox River Grove, IL 60021

Standard Reference number	Title	Referenced in code section number
ANSI/NC1.0—10	Standard for Noncomposite Steel Floor Deck	2210.1.1.1
ANSI/RD1.0—10	Standard for Steel Roof Deck	2210.1.1.2

SJI

Steel Joist Institute
1173B London Links Drive
Forest, VA 24551

Standard Reference number	Title	Referenced in code section number
CJ—10	Standard Specification for Composite Steel Joists, CJ-series	1604.3.3, 2203.2, 2207.1
JG—10	Standard Specification for Joist Girders.....	1604.3.3, 2203.2, 2207.1
K—10	Standard Specification for Open Web Steel Joists, K-series.....	1604.3.3, 2203.2, 2207.1
LH/DLH—10	Standard Specification for Longspan Steel Joists, LH-series and Deep Longspan Steel Joists, DLH-series	1604.3.3, 2203.2, 2207.1

SPRI

Single-Ply Roofing Institute
411 Waverly Oaks Road, Suite 331B
Waltham, MA 02452

Standard Reference number	Title	Referenced in code section number
ANSI/SPRI/ FM4435-ES-1 — 03 RP-4—08	Wind Design Standard for Edge Systems Used with Low Slope Roofing Systems.....	.....1504.5
	Wind Design Guide for Ballasted Single-ply Roofing Systems .....	.....1504.4

TMS

The Masonry Society
3970 Broadway, Unit 201-D
Boulder, CO 80304-1135

Standard Reference number	Title	Referenced in code section number
0216—97	Standard Method for Determining Fire Resistance of Concrete and Masonry Construction Assemblies.....	.....Table 720.1(2), 721.1
0302—07	Standard Method for Determining the Sound Transmission Class Rating for Masonry Walls...	1207.2.1
402—11	Building Code Requirements for Masonry	1405.6, 1405.6.1, 1405.6.2, 1405.10, 1604.3.4, 1705.4, 1705.4.1, 1807.1.6.3, 1807.1.6.3.2, 1808.9 2101.2.2, 2101.2.3, 2101.2.4, 2101.2.5, 2101.2.6, 2103.9, 2103.12 2103.13, 2103.14, 2104.1, 2104.1.1, 2104.1.2, 2104.1.3, 2104.2, 2104.3, 2104.4, 2105.2.2.1, 2105.2.2.1.2, 2105.2.2.1.3, 2106.1, 2107.1, 2107.2, 2107.3, 2107.4, 2108.1, 2108.2, 2108.3, 2109.1, 2109.1.1, 2109.2, 2109.2.1, 2109.3, 2110.1
403—10	Direct Design Handbook for Masonry Structures .....	.....2101.2.7
602—11	Specification for Masonry Structures.....	.....1405.6.1, 1705.4, 1807.1.6.3 2103.9, 2103.12, 2103.13, 2103.14, 2104.1, 2104.1.1, 2104.1.2, 2104.1.3, 2104.2, 2104.3, 2104.4, 2105.2.2.1.1, 2105.2.2.1.2, 2105.2.2.1.3

TPI

Truss Plate Institute
218 N. Lee Street, Suite 312
Alexandria, VA 22314-3834

Standard Reference number	Title	Referenced in code section number
TPI 1-2007	National Design Standards for Metal-plate-connected Wood Truss Construction.....	.....2303.4.6, 2306.1



Underwriters Laboratories, Inc.
333 Pfingsten Road
Northbrook, IL 60062-2096

Standard Reference number	Title	Referenced in code section number
9—2000	Fire Tests of Window Assemblies—with Revisions through April 2005.....	.....715.3, 715.4.3.2, 715.5, 715.5.1, 715.5.2, 715.5.9.1
10A—98	Tin Clad Fire Doors—with Revisions through March 2003.....	.....715.4
10B—97	Fire Tests of Door Assemblies—with Revisions through October 2001 .....	.....715.4.2
10C—98	Positive Pressure Fire Tests of Door Assemblies—with Revisions through November 2001.....	.....715.4.1, 715.4.3
14B—98	Sliding Hardware for Standard Horizontally-mounted Tin Clad Fire Doors— with Revisions through July 2000.....	.....715.4
14C—06	Swinging Hardware for Standard Tin Clad Fire Doors Mounted Singly and in Pairs.....	.....715.4
103-01	Factory-built Chimneys, for Residential Type and Building Heating Appliances— with Revisions through June 2006.....	.....717.2.5.1
127-96	Factory-built Fireplaces—with Revisions through November 2006.....	
199E-02	Outline of Investigation for Fire Testing of Sprinklers and Water Spray Nozzles for Protection of Deep Fat Fryers.....	.....904.11.4.1
217-06	Single and Multiple Station Smoke Alarms—with Revisions through August 2005.....	.....907.2.11
263-03	Standard for Fire Test of Building Construction and Materials.....	.....703.2, 703.2.1, 703.2.3, 703.3, 703.5, 704.12, 705.7, 707.7, 712.3.2, 713.3.1, 713.4.1.1, 714.1, 715.2, 716.5.2, 716.5.3, 716.6.1, Table 716.6.2(1), Table 720.1(1), 1407.10.2, 2103.2, 2603.4, 2603.5.1
268-06	Smoke Detectors for Fixed Protective Signaling Systems—with Revisions through January 1999.....	.....407.7, 907.2.6.2
300-05	Fire Testing of Fire Extinguishing Systems for Protection of Restaurant Cooking Areas.....	.....904.11
305-97	Panic Hardware.....	.....1008.1.10
325-02	Door, Drapery, Gate, Louver and Window Operations and Systems— with Revisions through February 2006.....	.....406.1.5, 3110.4
555-2006	Fire Dampers .....	.....716.3
555C- 2006	Ceiling Dampers .....	.....716.3, 716.6.2
555S-99	Smoke Dampers—with Revisions through July 2006.....	.....716.3, 716.3.1.1
580— 2006	Test for Uplift Resistance of Roof Assemblies.....	.....1504.3.1, 1504.3.2
641-95	Type L Low-temperature Venting Systems—with Revisions through August 2005.....	.....2113.11.1.4
710B--04	Recirculating Systems—with Revisions through April 2006.....	.....904.11
723—03	Standard for Test for Surface Burning Characteristics of Building Materials— with Revisions through May 2005.....	.....402.11, 402.16.4, 406.5.3, 703.4.2, 719.1, 719.4, 802.1, 803.1.1, 803.9, 806.5, 1407.9, 1407.10.1, 2303.2, 2603.3, 2603.4.1.13, 2606.3.5.4, 2603.7, 2604.2.4, 2606.4, 3105.4, D102.2.8
790-04	Standard Test Methods for Fire Tests of Roof Coverings.....	.....1505.1, 2603.6, 2610.2, 2610.3
793—03	Standards for Automatically Operated Roof Vents for Smoke and Heat— with Revisions through April 2004 .....	.....910.3.1
864—03	Standards for Control Units and Accessories for Fire Alarm Systems— with Revisions through March 2006. ....	.....909:12
924-06	Standard for Safety Emergency Lighting and Power Equipment.....	.....1011.4
1040-96	Fire Test of Insulated Wall Construction—with Revisions through June 2001.....	.....1407.10.3, 2603.4, 2603.9
1256-02	Fire Test of Roof Deck Construction—with Revisions through January 2007..	.....1508.1, 2603.3, 2603.4.1.5
1479-03	Fire Tests of Through-penetration Firestops—with Revisions through April 2007. ....	.....702.1, 713.3.1.2, 713.3.2, 713.4.1.1.2
1482—96	Solid-fuel-type Room Heater—with Revisions through November 2006.....	.....2112.2, 2112.5
1703—02	Flat-Plate Photovoltaic Modules and Panels—with revisions through April 2008.....	.....1507.17.1, 1509.7.4
1715-97	Fire Test of Interior Finish Material—with Revisions through April 2008.....	.....1407.10.3, 1409.10.2, 1409.10.3, 2603.4, 2603.10, 2613.4
1777— 2007	Chimney Liners—Chimney Liners—with revisions through July 2009.....	.....2113.11.1, 211119
1784—01	Air Leakage Tests of Door Assemblies— with Revisions through July 2009.....	.....708.14.1, 711.5.2, 715.4.3.1, 715.4.6.1, 715.4.6.3, 3007.7.3, 3008.7.3
1897—04	Uplift Tests for Roof Covering Systems—with revisions through May 2008.....	.....1504.3.1
1975—06	Fire Test of Foamed Plastics Used for Decorative Purposes .....	.....402.11, 402.12.1, 402.16.5
1994—04	Standard for Luminous Egress Path Marking Systems— with Revisions through February 2005.....	.....411.7, 1024.2.1, 1024.2.3, 1024.2.4, 1024.4
2017-2008	Standards for General-purpose Signaling Devices and Systems— with Revisions through October 2009.....	.....3109.4.1.8
2079-04	Tests for Fire Resistance of Building Joint Systems—with Revisions through March 2006.....	.....702.1, 714.3, 714.6
2200—04	Stationary Engine Generator Assemblies—with Revisions through July 2004.....	.....2702.1.1

ULC

Underwriters Laboratories of Canada
7 Underwriters Road
Toronto, Ontario, Canada M1R3B4

Standard Reference number	Title	Referenced in code section number
CAN/ULC S 102.2-1988	Standard Method of Test for Surface Burning Characteristics of Flooring, Floor Coverings and Miscellaneous Materials and Assemblies—with 2000 Revisions.....	.....719.4

USC

United States Code
c/o Superintendent of Documents
U.S. Government Printing Office
Washington, DC 20402-9325

Standard Reference number	Title	Referenced in code section number
18 USC Part 1, Ch.40	Importation, Manufacture, Distribution and Storage of Explosive Materials .....	.....307.2

WDMA

Window and Door Manufacturers Association
1400 East Touhy Avenue #470
Des Plaines, IL 60018

Standard Reference number	Title	Referenced in code section number
AAMA/WDMA/CSA 101/LS.2/A440-11	Specifications for Windows, Doors and Unit Skylights.....	.....1710.5.1, 2405.5

WRI

Wire Reinforcement Institute, Inc.
942 Main Street, Suite 300
Hartford, CT 06103

Standard Reference number	Title	Referenced in code section number
WRI/CRSI-81	Design of Slab-on-ground Foundations—with 1996 Update .....	.....1808.6.2

ADOPT THE FOLOWING APPENDICES

APPENDIX C - GROUP U – AGRICULTURAL BUILDING

APPENDIX D – FIRE DISTRICT (SEE LOCAL AMENDMENTS BELOW)

APPENDIX F - RODENT PROOFING

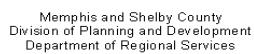
APPENDIX H - SIGNS

**APPENDIX I - BUILDING PERMIT, PLANS AND INSPECTION FEES (SEE LOCAL
AMENDMENTS BELOW)**

DELETE ALL OF SECTION 101.2 ENTITLED “ESTABLISHMENT OF AREA” AND ITS SUBHEADINGS AND REPLACE THEM WITH THE FOLLOWING:

Beginning at a point where the south line of the east/west Interstate 40 (I-40) Expressway intersects the east line of North Third Street; thence southwardly to the south line of Exchange Avenue; thence southwardly with said line parallel to North Third Street to the center line of Linden Avenue; thence westwardly with said center line of Linden Avenue to the center line of the Wolf River Navigation Channel; thence northwardly with said center line of the Wolf River Navigation Channel; thence northwardly with said center line to the south line of the east/west Interstate 40 (I-40) Expressway bridge; thence eastwardly with said line to the point of beginning at the intersection of the south line of the east/west Interstate 40 (I-40) Expressway and the east line of North Third Street.

Downtown Fire District



Appendix I

Building Permit, Plans and Inspection Fees

B-1 Fee for Amending Permits

B-1.1 After a permit has been issued and an amendment or supplemental revisions is applied for, the additional fee or service charge shall be as follows

B-1.2 For each and every amendment which involves additional work not originally applied for to complete the entire project, the additional fee shall be the normal fee for the work contemplated and shall be computed disregarding the valuation of the work previously permitted.

B-1.3 For each and every amendment or supplement not involving additional work b square footage, volume or dollar value, the minimum fee normally required for such work shall apply, even though the project dollar value or building volume may decrease (Minimum fee of \$20).

B-2 Work Commencing Before Permit Issuance

In case of any work requiring a permit is started prior to obtaining said permit, as a penalty for violating this Code, the total normal fee shall be doubled. The payment of the fee shall not relieve any persons from fully complying with the requirements of this Code for performance or execution of the work, nor from other penalties prescribed by law. (Section 114.7.2)

B-3 Special Tax

The uncollected cost of repairing, vacating or taking down and removing any unsafe building may be certified to the County Trustee. It shall then be the duty of the County Trustee to place the amount so certified on the bill for the county taxes assessed against the property on which said unsafe structure was located. It shall be the duty of the County Trustee to collect as a special tax the amount so certified, which is hereby declared to be a special tax on said property. This special tax may be collected in the same manner as other general taxes are collected by the County.

B-4 Demolition of Structures

For permits to demolish structures as provided for in Appendix I, the fee shall be at the rate of \$8 for each 25,000 cubic feet, or fraction thereof, with the minimum fee of \$60 and the maximum fee of \$500.

B-4.1 Imploded structures

For permits to implode structures as provided for in Appendix I (of the Memphis and Shelby County Joint Building Code), the fee shall be at the rate of \$1,000.00

B-5 Removal or moving of structures

The permit fee to move or remove a structure, as provided in Section 3313(of the Memphis and Shelby County Joint Building Code) shall be \$200. For the placement, repair and/or renovation of said structure, the fee shall be charged as in Section B-6.

B-6 New Construction and Additions to Buildings other than One- and Two-Family Dwellings

B-6.1 The fee for a building permit for new construction, or for an addition to an existing structure shall be based on the total construction cost (valuation) of said construction, addition alteration or repair and shall be determined by the following paragraphs. However the minimum permit shall be \$40 dollars.

B-6.2 When the evaluation is less than \$25,000, the fee shall be \$4 per \$1,000 of valuation or any fraction thereof.

B-6.3 When the evaluation is as much as \$25,000, but less than \$1,000,000 the fee shall be \$100 plus \$3.00 for each additional \$1,000 of valuation or any fraction thereof above the value of \$25,000.

B-6.4 When the evaluation is as much as \$1,000,001, but less than \$25,000,000 the fee shall be \$3,025.00 plus \$2.00 for each additional \$1,000 of valuation or any fraction thereof above the value of \$1,000,000.

B-6.5 The evaluation is as much as \$25,000,001 the fee shall be \$51,025.00 plus \$1.50 for each additional \$1,000 of valuation or any fraction thereof above the value of \$25,000,000.

B-7 One and Two Family Dwellings

B-7.1 The permit fee for alterations or repairs to a one two family dwelling, building or structure shall be based on the total construction cost (valuation) of alterations or repairs and shall be charged at rate of \$4 per \$1000 or fraction thereof. The minimum fee for any permit shall be \$40. Permit fee for the alteration or repairs for one and two family dwelling shall not exceed \$250.

B-7.2 The permit fee for new construction or addition of more than 400 square feet for one - two family dwelling building or structure shall be charged at the rate of \$0.05 per square foot or fraction thereof .The minimum fee for new construction for a one - two family dwelling, building or structure shall be \$125 and the minimum fee for addition of more than 801 square feet to existing one-two family dwelling, building or structure permit shall be \$90. 800 to 401 square feet to an existing family dwelling building or structure shall be \$60. Minimum fee for addition of 400 square feet and less to an existing one-two family dwelling, building or structure shall be \$40. All of above areas shall include but not be limited to, living area, porches, carports, canopies, garages, and storage areas. The permit fee of \$125 includes the fee for the new installation of sidewalks and curb cuts.

B-7.3 Detached one story residential accessory buildings, carports, canopies, garages or patios not exceeding 400 square feet will have a minimum fee of \$20. Minimum fee for detached one story residential accessory building, carports, canopies or patios exceeding 400 square feet shall be \$0.05 per sq. ft. with a minimum fee of \$40.

B-8 Structural permits for signs

B-8.1 For the erection, construction relocation alteration or maintenance of signs required by Section 3108.3 and 3108.5, the fee shall be computed on the basis of the gross cross-section area of the sign including any decorative framing but not including structural supports. The rate shall be \$0.75 for each square foot of such gross sign area. The

minimum fee shall be \$16. The minimum fee for change in copy shall be \$20 for existing business same context.

B-8.2 The annual fee for reinspection of signs as required by Section 3108 shall be \$15 for signs with gross surface area of 150 square feet and less and \$40 for each sign structure with total gross surface area of more than 150 square feet.

B-8.3 EXCEPTION: Nonilluminated wall signs not exceeding 12 square feet in area and any nonilluminated sign not more than 4 square feet in area placed in a legally constituted location that does not encroach over a public right-of-way, shall not require a fee for reinspection.

B-9 Fees for appurtenances to building and other structures and appurtenances.

The permit fee for the installation of the following shall be less than \$60 for the first \$250,000 of valuation and \$1 for each \$1,000 more than \$250,000

Conveyor systems

Process piping systems

Racing systems/Shelving

B-10 Fee for Miscellaneous Construction

B-10.1 The fee for a permit for the construction of a tower, stack, swimming pool or other similar type structure and the fee for a permit for the addition alteration or repair to such structure shall be based on the total construction (Valuation) of the work to be done and shall be \$4 per \$1,000 or fraction thereof .The minimum fee for any permit shall be \$60.

B10.2 The permit fee for tents, special events, special sales promotions, beer check and amusement rides shall be \$60.

B-10.3 Zoning letters and Board of Adjustment Rejection Letters. The fee for Zoning letters and Board of Adjustment rejection letters shall be \$10 per researched paragraph.

B-10.4 The permit fee for temporary construction trailers (job shacks) for a period of 6 months shall be \$40.

B-10.5 The fee for a permit for the repair, construction or installation of an automated or non-automated gate, wall, fence or other similar type structure or vehicular access control device and the fee for a permit for the addition, alteration, or repair to such structure shall be the total construction (valuation) of the work to be done and when the valuation is less than \$25,000, the fee shall be \$4.00 per \$1,000 of valuation or any fraction thereof and \$3.00 for each additional \$1,000 of valuation or any fraction thereof above the value of \$25,000, with a max. fee of \$175.00. Fences for one and two family dwellings are exempt for this requirement if less than 8 feet in height.

B-10.6 The fee for a permit for the construction of decks and spas or other similar type structure; and the fee for the addition, alteration or repair to such structure shall be \$40.

B-11 Curb Cuts, Driveway Entrances And Exits

B-11.1 The fee for curb cuts on public property, either new or replacement, when located outside the municipal limits of the City of Memphis, shall be \$0.06 per square foot; however, no less than \$30 per permit will be charged.

Exception: The fee for new installation of the curb cut for one - two family dwellings is included under Section B-7.2

B-11.2 Sidewalks required by Subdivision Plat Outside the Municipal Limits of the City of Memphis. The fee for sidewalks on public property, either new or replacement, shall be \$30.

EXCEPTION: The fee for installation of sidewalks for one - two family dwellings is included under Section B-7.2

B-11.3 Sidewalks, Curbs, Cuts, Driveways Entrances and Exits Inside the City Limits of the City of Memphis. Permits shall be obtained from the City of Memphis prior to the issuance of a building permit.

B-12 Filing Application for Joint Board of Appeals

Notice of Joint Board of Appeals under Section 108 shall be accompanied by a fee of \$100.

B-13 Refunds

Permit fees may be refunded if no work has commenced and a request for refunds is submitted to the Building Official in writing by the permittee within 6 months of the date of issuance. The permit is surrendered when a request for refund is submitted. The amount of the refund will be 2/3 of the permit fee, but in no case will the amount retained by the Office of Construction Code Enforcement be less than \$60.

B-14 Certificates Of Use And Occupancy

B-14.1 No charge shall be made for a certificate of use and occupancy for a structure when it is issued upon the satisfactory completion of new construction, addition, alteration, or repair work under a valid permit. When a certificate is issued under the provisions of Section 106, the fee shall be \$60. The fee charged for such certificate shall be in addition to those which may be required for any specific tests and/or inspections of special features or equipment which are otherwise required by this or any Code.

B-14.2 For hazardous occupancies, the certificate of occupancy will be limited to a 12-month period. Upon approval by the Building Official and before issuance or reissuance of said certificate, the applicant will pay the fee of \$200.

B-14.3 Unlimited area, unsprinkled steel storage, annual inspection fee of \$200.

B-15 Reinspection Fee For Excessive Or Unessential Inspection Calls

B-15.1 A \$50.00 reinspection fee shall be charged for the reinspection and rejection of the same infraction; and for every reinspection thereafter until the infraction is corrected.

EXCEPTION - Due to the complicated nature of a framing inspection, one free reinspection shall be given on each Building Permit. All reinspections occurring after this shall be charged as listed.

B-15.2 Any person, firm, or corporations aggrieved by the assessment of any reinspection fee may appeal to the Building Official for a review of the facts involved and a possible reduction or dismissal of said fees.

B-16 Trailer and Manufactured Home Space Permit Fees

B-16.1 The fee to establish a trailer space or manufactured home space within a manufactured home park shall be \$40 for each space. The annual inspection fee for each

manufactured home or trailer space shall be \$10 for each space. The annual inspection fee shall be due and payable July 1st of each year. Failure to pay the annual inspection fee within 60 days after receiving notice of payment due shall result in the manufactured home being classified as illegal and ordered removed.

B-16.2 A building permit fee for general development of trailer or temporary manufactured home parks shall be required. A building permit for the trailer or manufactured home unit shall not be required. A building permit for permanent structures such as, but not limited to, offices, laundry, recreational, storage utility buildings, garages and carports shall be required as set forth in Section B-6 of this article.

B-16.3 For manufactured homes approved as permanent or temporary residence located on property outside of a trailer or manufactured home park development, the permit fee for new construction of, or addition to, a one - two family manufactured dwelling (home), building or structure shall be charged at the rate of \$0.05 per square foot or fraction thereof. The minimum permit fee shall be \$125. All above areas shall include, but not limited to, living areas, porches, carports, garages, and storage areas.

B-17 Fees Forfeited

The permit fees will be forfeited on any permit invalidated because work was not commenced as set forth in Section 104.1.6.

B-18 Building Permit Valuations

If, in the opinion of the Building Official, the valuation of building, alteration, or structure appears to be underestimated on the application, the permit shall be denied unless the applicant can show detailed estimated total construction costs to meet the approval of the Building Official. Permit valuations shall include total costs, such as plumbing, electrical, mechanical equipment, and other systems. As a guideline to determine an average construction cost per square foot, we will reference the Building Valuation Data Table published periodically by SBCCI.

B-19 Administrative Site Plan Review

Fee applications for administrative site plan review approvals required by the Memphis and Shelby County Zoning Ordinance, shall be accompanied by a nonrefundable fee in accordance with the following schedule:

One - two-family dwellings	(No Charge)
All other building occupancies	(same as Project Review)

B-19.1 Approval of an administrative site plan review shall permit the applicant to apply for any other permits and approvals required by the Zoning Ordinance, the Subdivision Regulations, and the Joint Building Code. Administrative site plan approvals are valid for 6 months, or until a building permit is issued, whichever is earliest.

B-20 Project Review Fee

Applications for building project review shall be accompanied by copies of drawings required in Section 104.2 and a nonrefundable fee in accordance with the following schedule:

One - two - family dwellings	No charge
All other building occupancies -	

\$0-\$25,000 total valuation	\$ 25
\$25,001 - \$50,000 total valuation	\$ 50
\$50,001 - \$100,000 total valuation	\$100
\$100,001 - \$200,000 total valuation	\$200
\$200,001 - \$300,000 total valuation	\$300
\$300,001 - \$400,000 total valuation	\$400
\$400,001 - \$500,000 total valuation	\$500
More than \$500,001 total valuation	\$600

B-20.1 An application for building project review shall become void 6 months after the date of filing, unless a permit has been issued. One or extensions of time for periods of not more than 90 days each may be permitted by the Building Official.

B-21 Priority Review:

Building permit project review, restricted to office and mercantile uses with construction costs less than \$25,000, may be reviewed within 24 hours and shall be subject to an additional premium of \$40.

BUILDING PERMIT AND INSPECTION FEES

2002 Section Title

2002

Section

Fees

B-1 Fees for Amending Permits

B-1.3 Amendment - minimum fee 20

B-1 Work commencing before the permit issuance - (shall be doubled) Double Fee

B-4 Demolition

For each 25,000 cubic feet" 8

Minimum fee of 60

Maximum fee of 500

B-4.1 Implosion Fee 1,000

B-5 Removal or moving of structures 200

B-6 New construction & additions to building other than one-two family dwelling

B-6.1 minimum fee 40

B-6.2 <\$25>\$25,000 -per \$1000 4

B-6.3 \$25,000<\$1,000,000 - \$100 plus \$2.75 for each additional \$1,000 above \$25,000 3

B-6.4 \$1,000,001<\$25,000,000 - \$2,781.25 plus \$1.75 for each additional \$1,000 above \$1,000,000" 2

B-6.5 \$25,000,001 - \$44,781.25 plus \$1.25 for each \$1,000 above \$25,000,000 1.5

B-7 One and two family dwelling

B-7.1 Alteration and repair - per \$1,000 4

Minimum fee 40

maximum fee of 250

B-7.2 new construction of or addition to - per square foot 0.05

Minimum fee for an addition to a one or two family dwelling less than 400 sq. ft. shall be \$40

Minimum fee for an addition to a one or two family dwelling 401 sq. ft. to 800 sq. ft. shall be \$60

Minimum fee for an addition to a 1 or 2 family dwelling 801 sq. ft. and over shall be \$90

B-7.3 Exception: minimum fee for detached one-story res accessory building, carports, canopies, garages, or patios not exceeding 400 sq. ft. shall be \$20

Exception: minimum fee for detached one-story res. Accessory building, carports canopies garages, or patios exceeding 400 sq. ft. shall be 0.05 per sq. ft. with a minimum fee of \$40.

B-8 Structural permits for signs

B-8.1 For each square foot of gross sign area 0.75

minimum fee 16

The minimum fee for change in copy (text's) shall be \$20. 20

B-8.2 annual reinspection fee-

	(for signs with gross surface area of 150 sq. ft. and less) per sign	15	
	(for sign structures with gross surface area of greater than 150 sq. ft.) per structure	40	
B-9	Permits required for appurtenances to building and other structures and apparatus; Conveyor systems, Process piping system, Racking system per \$1,000	60	1
	(\$60 for 1st \$250,000; \$1 for each additional \$1,000 more than \$250,000)		
B-10	Fees for Miscellaneous construction - per \$1,000	8	
B-10.1	minimum fee	60	
B-10.2	Tents, special events, special sales promotions, amusement rides, etc. plus \$10 per additional tent	60	
B-10.3	Zoning letters, Board of Adjustment Rejection letters (per researched paragraph)	10	
B-10.4	Temporary construction trailer (6 months)	60	
B-11	Curb cuts, driveways entrances and exits		
B-11.1	new or replacement	.06/30	
B-11.2	minimum fee	30	
B-11.3	permits obtained prior to issuance of building permit	0	
B-12	Filing for Joint Board of Appeals	100	
B-13	permits obtained prior to issuance of building permit	60	
B-14	Certificate of use and occupancy		
B-14.1	with an active building permit (issued)	0	
	without an active building permit (issued)	60	
B-14.2	Hazardous occupancies	200	
B-14.3	Unlimited Area - Unsprinkled steel storage	200	
B-15	Reinspection Fees	50	
B-15.1	First reinspection fee	50	
	Additional fee beyond the first		
B-16	Trailer and manufactured home space permit fees		
B-16.1	manufactured home/trailer space - for each space	40	
B-16.2	annual inspection fee - for each space	10	
B-16.3	temporary residence .05	125	
	Fees for Project Review		
B-19	Administrative site plan review		
	one - two family dwellings (no charge)		
	0		
	0<\$10,000	200	
	\$10,001>\$ 25,000	200	
	\$25,001>\$ 50,000	200	
	\$50,001>\$ 100,000	200	
	<\$100,000	200	
B-20	Project Review		

0>\$10,000	0
\$10,001>\$ 25,000	25
\$25,001>\$ 50,000	50
\$50,001>\$ 100,000	100
\$100,000>\$200,000	200
\$200,001>\$500,000	300
<\$500,001	400
B-21 Quick check review	plus 40
B-22 Sign Review and Research Fee	plus 25
Triple fee for signs installed without a permit	3 X Permit Fee

2002
OPERATING CERTIFICATE SCHEDULE FEE

Elevator & Escalator

2 thru 10 landings	\$50.00
11 thru 20 landings	\$75.00
Over 20 landings	\$100.00

Dumbwaiters	\$50.00
Wheelchair & Stair Lifts	\$50.00

Amusement Devices

Major Rides	\$60.00
Kiddie Rides	\$40.00